SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is 717,

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.

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AX530368
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AX530370/c
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AX530370
AX530370.1
                                            Tschopp, J. and Martinon, F.

Proteins and dna sequences underlying treating inflammations
Patent: WO 0240668-A 93 23-MAY-2002;
Apotech Research and Development Ltd.
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synthetic construct
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Apotech Research and Development Ltd.
Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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AR3014691
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AX297370
AX817703
AX817703
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ACCESSION: AR314691
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ACCESSION: AX937886
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SSION: AX297370
SSION: AX817697
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E04206/c
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                                               AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUTHORS
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CONTRACTOR OF ARTIFICIAL SEQUENCE

PN WO 0079280-A/I3

PD 28-DEC-2000

PF 22-JUN-2000 WO 2000JP004095

PR 22-JUN-1999 JP 99P 175928

PI NAOKAZU TAKEDA, KATSURO NATORI, TATSUO MIYAMURA, KUNIO PI KAMATA, TOSHINORI SATO,

PI SEIYA SATO

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PI G01N33/569, C12N15/40

CC

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 synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 29)
Morita,K., Hasegawa,M., Yokoo,Y., Sato,M.
Koda,H., Mori,H. and Arima,T.
FUSED ANTIGENIC POLYPEPTIDE
Patent: JP 1933011099-A 34 08-JAN-1993;
KYOWA HAKKO KOGYO CO LTD
                                                                                                      single strand DNA seqn
E04206
E04206.1 GI:2172416
JP 1993001099-A/34.
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1 (bases 1 to 33)
Takeda,N., Natori,K., Miyamura,T., Kunio, Kamata,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PATENT: WO 0079280-A 13 28-DEC-2000;
PATENT: WO 0079280-A 13 28-DEC-2000;
MORIOL REPRESENTED BY DISEASES, DENKA SEIKEN CO LTD, NACKAZU
TAKEDA, KATSURO NATORI, TATSUO MIYAMURA, KUNIO KAMATA, TOSHINORI
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WO 0079280-A/13.
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BD011883
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Pred. No. 36;
O; Mismatches
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C hepatitis virus.
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RESULT 6
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Local Similarity 89.3%;
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Sequence 15
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Sequence 16 from Patent
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Location/Qualifiers
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topology: Linear;
hypothetical; No.
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/db_xref="taxon:32630"
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0; Mismatches
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Pred. No. 35;
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Best Local Similarity 85.7%;
Matches 24; Conservative
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synthetic construct

synthetic construct

synthetic construct

strificial sequences.

1 (bases 1 to 30)

1 (bases 1 to 30)

Morita,K., Hasegawa,M., Yokoo,Y., Sato,M.,

Koda,H., Mori,H. and Arima,T.

FUSED ANTIGENIC POLYPEPTIDE

PATENE: JP 1993010199-A 33 08-JAN-1993;

RYOWA HAKKO KOGYO CO LTD

OS Artificial gene

OC Artificial sequence; Genes.

PM JP 1993010199-A/33

PD 08-JAN-1993

DB 08-JAN-1993

DB 1991153031
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Card proteins involved in cell death regulation Patent: WO 0116170-A 15 08-MAR-2001;
The Burnham Institute (US)
Location/Qualifiers
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AX961679.1 GT:40881137
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|mol_type="unassigned DNA"
|db_xref="taxon:32630"
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/db_xref="taxon:32630"
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100.0%; Pred. No.
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; Pred. No. 63;
0; Mismatches
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C hepatitis virus
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AX530372
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AX089777
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Sequence 17 from Patent WO0116170.
AX089777
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HIDEJI, PI ARIMA TERUMASA
PC C07K7/10,C07K13/00,C12N1/21,C12N15/62,C12N15/70,C12P21/02,
            Tschopp, J. and Martinon, F. Proteins and dna sequences underlying these proteins used treating inflammations
                                                                                 synthetic construct synthetic construct
                                                                                                                                                                         AX530372
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 Patent:
                                                                                                                               AX530372.1
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Similarity 88.5%;
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TUKI, PI SEKINE SUSUMU, SUGIMOTO SEIJI, KODA HAJIME,
                                                                                                                                                                                                                                                                                                         Conservative
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WO 0240668-A 95 23-MAY-2002;
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95 from Patent WO0240668.
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/mol_type="unassigned DNA"
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tive 0; Mismatches
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; Pred. No. 77;
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                                                  1 (bases 1 to 30)

Mandrand, B., Cros, P., Delair, T., Charl Mandrand, B., Cros, P., Delair, T., Charl REAGENT AND METHOD FOR THE DETECTION (SIGNAL AMPLIFICATION Patent: WO 9508000-A 9 23-MAR-1995; BIO MERIEUX (FR)
Other publication CA 2149315 950323 Other publication FR 2710075 950324.
                                                                                                                                                                                                                                                                                                                                                                    523 ATGGCTGGCGGAGCCTGGGGC 543
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Sequence 9 from Patent WO9508000.
A37784
                                                                                                                                                                                        unidentified
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synthetic
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AX530374
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Research and Development Ltd
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Location/Qualifiers
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                          1. .30
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Live 0; Mismatches
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AR179066/c
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A62991/c
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AR179066
Sequence 3
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METHOD FOR GENERATING MULTIPLE DOUBLE
Patent: WO 9720068-A 7 05-JUN-1997;
BOEHRINGER MANNHEIM GMBH (DE)
LOCATION/Qualifiers
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Sequence 7 from Patent WO9720068.
A62995
                                                                                                                                                                                                                                                                                      unidentified unidentified
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A62991
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/db_xref="taxon:32644"
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          artificial sequences.

1 (bases 1 to 30)

Tokunaga,T., Ishiguro,T. and Horie,R.
Novel fluorescent colorant and method of ası
Patent: JP 2002327130-A 1 15-NOV-2002;
TOSOH CORP
OS Artificial Sequence
PN JP 2002327130-A/1
PD 15-NOV-2002
PF 11-JAN-2002 JP 2002005267
PF 11-JAN-2002 JP 2002005267
PF TAKUMI TOKUNAGA,TAKAHIKO ISHIGURO,RYUIC
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AR179070
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BD181358.1 GI:30792276
JP 2002327130-A/1.
OS Artificial Sequence
PN JP 2002327130-A/1
PD 15-NOV-2002
PT 11-JAN-2002
PF 11-JAN-2002
PF 11-JAN-2002
PF TAKUMI TOKUNAGA, TAKAHIKO ISHIGURO, RYUICHI HORIE PC
C09B23/00, C07D417/14, C07H21/04, C09K11/06, C12N15/09, C12Q1/68,
                                                                                                                                                                        synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Method for generating multiple double Patent: US 6326143-A 7 04-DEC-2001; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 (bases 1 to 30)
Orum, H. and Seeger, C.
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Orum,H. and Seeger,C.
Method for generating multiple double stranded nucleic acids
Patent: US 6326143-A 3 04-DEC-2001;
Location/Qualifiers
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RESULT 19
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1 (bases 1 to 30)

Tokunaga,T., Ishiguro,T. and Horie,R.

Novel fluorescent colorant and method of assaying nucleic acid

Patent: JP 2002327130-A 2 15-NOV-2002;

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                                         JP 1992330093-A/2.
                                                      E04638.1 GI:5708508
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ilarity 82.8%;
Conservative
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TAKUMI TOKUNAGA,TAKAHIKO ISHIGURO,RYUICHI HORIB PC
33/00,C07D417/14,C07H21/04,C09K11/06,C12N15/09,C12Q1/68,
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JP 2002327130-A/2
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/db_xref="taxon:32630"
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82.8%; Pred. No. 83;
active 0; Mismatches
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PRODUCTION OF OLIGORIBONUCLEOTIDE
PATENT: JP 1992330093-A 2 18-NOV-1992;
PAKEDA CHEM IND LTD

OS Artificial gene
OC Artificial sequence; Genes.
PN JP 1992330093-A/2
PD 18-NOV-1992
PD 18-NOV-1992
PF 07-JUN-1991 JP 1991136086
PR 20-JUL-1990 JP 90P 190762
PI TANIMURA HIROSHI, IMADA MICHI
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Sequence 18 :
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                                                                                                                                                                                                                                                                                   1 (bases 1 to 30)
Mandrand, B., Cros, P., Delair, T., Charles, M.-H., Erout, M.-N. and Pichot, C.
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/mol_type="unassigned DNA"
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/mol_type="genomic RNA"
/db_xref="taxon:32630"
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/note='suitably selected protection of RNA

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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Krieg,A.M., Schetter,C. and Vollmer,J.C. Immunostimulatory nucleic acide Retent: WO 012297-A 1094 05-APR-2001; UNIVERSITY OF IOWA RESEARCH FOUNDATION (US);
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                       Krieg, A.M., Schetter, C. and Vollmer, J.C.
Immunostimulatory nucleic acids
Patent: WO 0122972-A 1095 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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/db_xref="taxon:32630"
/note="Synthetic Sequence"
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|mol_type="unassigned DNA"
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/db_xref="taxon:32630"
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Local Similarity 82.8%;
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Sequence 2 from Patent EP1223226.
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synthetic construct
artificial sequences.
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/mol type="unassigned DNA"
/db xref="taxon 32630"
/noEe="Artificial"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mal_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Artificial"
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SOURCE
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AX521609/c
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Best Local Similarity
Matches 24; Conserv
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y Match

0.4%; Score 21; DB

Local Similarity 82.8%; Pred. No. 83;
hes 24; Conservative 0; Mismatches
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Sequence
AX521609
                                                                                                                                                                                                                                                                                                                       artificial sequences.

1 (bases 1 to 30)

Conrad, M.J. and Coutts, S.

Conjugates of biologically stable polymers
treating systemic lupus erythematosus
Patent: JP 2001354569-A 1 25-DEC-2001;
LA JOLLA PHARMACEUTICAL CO
                                                                                                                                                                                                                                              PR PR
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30 bp DNA linear PAT 27-AUG-2002 Conjugates of biologically stable polymers and polynucleotides for treating systemic lupus erythematosus.
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synthetic construct
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16-JAN-1990 US 494118 PI
16-JAN-1990 US 494118 PI
45-JAN-1990 US 494118 PI
45-JAN-1990 US 494118 PI
45-JAN-1990 US 494118 PI
461K31/7088, A61K47/48, A61P37/02, C07K14/00, C12N15/00, C12N15/00
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JP 2001354569-A/1
25-DEC-2001
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/mol_type="unassigned DNA"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="oligonucleotide probe"
                                                           /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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WO0222874.
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                              DB 1; Length 30;
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AX455497
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BD132851/c
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synthetic construct
artificial sequences.
1 (bases 1 to 30)
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OS Artification
PN JP 2002501
PD 26-MAR-200
PD 30-OCT-199
PR 31-OCT-199
PR 31-OCT-199
PR 31-OCT-199
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CC Desc
FH Key
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AX455497
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                                                                                                                                                         Purdue Research Foundation (US)
Location/Qualifiers
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Patent: WO 0216596-A 4 28-FEB-2002;
                                                                                                                                                                                                                                                      synthetic construct
synthetic construct
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JP 2002509443-A/2.
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JP 2002509443-A/2
26-MAR-2002
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Location/Qualifiers
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31-OCT-1997 US 60/063969
WILLIAM G WEISBURG, PAUL D STULL, MICHAEL R RESHATOFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                     /organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
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from Patent WO0216596.
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Pred. No. 76;
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ACCESSION
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HSPCR50R/c
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AX116188/c
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AR241865/c
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AR241865
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Sequence 1311 from Patent
AX116188
                                                                                                                                                                                                                                                                                                                                                      Genotyping reagents, kits and methods of use thereof
Patent: WO 0129262-A 1311 26-APR-2001;
Orchid BioSciences, Inc. (US)
Location/Qualifiers
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 28)

Beggs, A. H., Koenig, M., Boyce, F. M. and Kunkel, L. M.
                                                                                                                                                                                                                                                                                                                                                                                                                                            synthetic construct synthetic construct
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                                                  Homo sapiens (human)
                                                                                        X65354.1 GI:35348
                                                                                                               H.sapiens dystrophin
                                                                                                                             HSPCR50R
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 98;
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Pred. No. 89;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (Norwalk, Conn.) contained 0.5ul of each primer (e.g. 0.5uM), 5 units Tag polymerase and 250ng genomic DNA per 50ul reaction. In practice, all primers for a given reaction were generally premixed and stored in aliquots. Bach set of reactions was always prepared as a master mix and aliquots added to 0.5ml microfuge tubes before addition of water and template to a final volume of 50ul. These were overlain with 25ul mineral oil and incubated in either a Perkin-Elmer Cetus (Norwalk, Conn.) thermal cycler or an MJ Research (Materton, Mass.) thermal controller as follows: 940C, 7min to denature, followed by 25 cycles of 940C, 30s (to denature); 65oC, 4min (to anneal and elongate) with the last annealing/elongation step for 10min. PCR products were stored at 4oC for up to several days prior to analysis.
                                        1177
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                                                                                                                                                                                                                                                   Biotherapeutics Corporation (CA)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (human)
Homo sapiens
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Sequence 1953 from Patent
AX184200
                                                                                                                                                                                                                                                                                           Ibd-related polymorphisms
Patent: WO 0142511-A 1953 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis
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PCR reactions using reagents from Perkin-Elmer Cetus GeneAmp
                                                                                                                                                                                                                                                                                                                                                              Daly, M., Hudson, T.J., Lander, E.S., Rioux, J. and Siminovitch, K.
                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AX184200.1 GI:15135543
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     h 0.4%; Score 20; DB 1; Similarity 82.1%; Pred. No. 1.2e+02; 23; Conservative 0; Mismatches 5
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ATCAGAGAGANAGAGAGAGAGA
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                                                                                  Conservative
                                                                                                                                                              /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /map="Xp21"
/cell_type="leukocyte"
/tissue_type="peripheral_blood"
/note="Āllele: DMD/BMD"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism≈"Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="X"
                                                                                                  0.4%;
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                                                                                0;
                                                                                Score 19.8; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 3;
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WO0142511.
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RESULT 34 AX427136

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AX083696/c
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AX083691/c
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Matches 20; Conserv
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Sequence 10 from Patent
AX083696
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Regulatable, catalyticallyticallytic nucleic acids
Patent: WO 0196559-A 36 20-DEC-2001;
Board of Regents, The University of Texas System (US)
Location/Qualifiers
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Sequence 5 from Patent WO0110468.
AX083691
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Sequence 36 from
AX427136
Papisov, M. I
                                                                                       AX083696.1 GI:13185424
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/db_xref="taxon:32630"
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/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                        note="Synthetic Oligonucleotide"
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95.2%; Pred. No. 1.2e+02;
tive 0; Mismatches 1;
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Pred. No. 1.3e.
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VERSION
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BD056964/c
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DEFINITION
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Best Local S
Matches 20
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Best Local Similarity
Matches 20; Conserv
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BD056964
BD056964.1 GI:22602570
JP 2001509271-A/1.
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                                                                                                                                             Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Sequence 6 from Patent WO0110468
AXO83692
                                                         Sets of labeled energy transfer fluorescent primers and their use in multi component analysis Patent: JP 200159271-A 1 10-JUL-2001; INCYTE PHARMACEUTICALS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drug-carrier complexes and methods of use thereof Patent: WO 0110468-A 6 15-FEB-2001;
THE GENERAL HOSPITAL CORPORATION (US)
Location/Qualifiers
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   10-JUL-2001
12-DEC-1997
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                                             JP 2001509271-A/1
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/mol_type="unassigned DNA"
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/noTe="Synthetic Oligonucleotide"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 1.
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KEYWORDS
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AR167592/c
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A51713/c
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                                                                                                                                                                                                                                                                                                              21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          unidentified
unclassified.
1 (bases 1 to 26)
1 (crouzet, J., Scherman, D. and Wils, P.
PURIFICATION OF A TRIPLE HELIX FORMATION
OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A51713 26 bp
Sequence 19 from Patent WO9618744.
A51713
                                                          1 (bases 1 to 26)
Crouzet,J., Scherman,D. and Wils,P.
Purification of a triple helix formation
oligonucleotide
                                                                                                                                                                        AR167592
Sequence 19 from patent US
AR167592
                                                                                                                                                                                                                                                                                                                                                                                                                           Patent: WO 9618744-A 19 20-JUN-1996;
RHONE POULENC RORER SA (FR)
Other publication AU 4178996 960703
Other publication FR 2728264 960621.
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                                                                                                                          Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A51713.1 GI:2304517
                                                 Patent:
                                                                                                             Unclassified.
                                                                                                                                    Unknown.
                                                                                                                                                              AR167592.1
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G01N21/78,C12N15/09,C12Q1/68,C12N15/00
Strandedness: Single;
Strandedness:
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                                 US 6287762-A 19 11-SEP-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                              /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mol_type="genomic DN
/db_xref="taxon:3702"
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/mol_type="genomic DNA"
/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                          Score 19.2; DB 1;
Pred. No. 1.5e+02;
                                                                                                                                                                                     26 bp
S 6287762.
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RESULT 43
BD248974/c
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DEFINITION
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KEYWORDS
SOURCE
ORGANISM
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FEATURES
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AUTHORS
TITLE
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AR178302/c
LOCUS
DEFINITION
ACCESSION
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AUTHORS
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AR174581/c
DEFINITION
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JOURNAL
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Matches 21; Conserv
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Sequence
AR174581
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Sequence 19 from patent US
AR178302
AR178302.1 GI:20219440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novak, J.B., Presnell, S.R., Sprecher, C.A., Foster, D.C., Gross, J.A., Johnston, J.V., Nelson, A.J., Dillon, S.R. and Hammond, A.K.
Cytokine zalphall Ligand
Patent: US 6307024-A 38 23-OCT-2001;
Location/Qualifiers
Novel cytokine
BD248974
                     BD248974
                                                                                                                                                                                                            Patent: US 6319672-A 19 20-NOV-2001;
Location/Qualifiers
                                                                                                                                                                                                                                   1 (bases 1 to 26)
Crouzet,J., Scherman,D., Wils,P., Blanche,F.
Purification of a triple helix formation wit
oligonucleotide
                                                                                                                                                                                                                                                                                            Unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     h 0.4%; Score 19.2; DB 1; Similarity 87.5%; Pred. No. 1.5e+02; 21; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                  Unclassified.
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                                                                                                                                                                                                  1. .26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                        /organism="unknown"
/mol_type="unassigned DNA"
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         26 bp
ZALPHA11 ligand.
                                                                                                                           Score 19.2; DB 1;
Pred. No. 1.5e+02;
0; Mismatches 3;
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Pred. No. 1.5e+02;
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S 6307024.
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S 6319672.
                        DNA
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KEYWORDS
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179494/c
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C C12.
A61K37/02
CC Oligr
FH Kev
FT P
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                   5392 TAAAAAAATACAAAAAAGAAAAAA 5415
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PI RICHA
PI RICHA
PI C12N1
PC C17K1
PC C07K1
PC C12N1/21,
PC C12N2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel cytokine ZALPHA11 ligand
Patent: JP 2002537839-A 35 12-NOV-2002;
ZYMOGENETICS INC
OS Artificial Sequence
PN JP 2002537839-A/35
PD 12-NOV-2002
PP 09-MAR-2000 JP 2000603382
PR 09-MAR-1999 US 09/264908,11-MAR-1999 US 09/265992 PR
01-JUL-1999 US 60/142013
PI JULIA E NOVAK,SCOTT R PRESNELL,CINDY A SPRECHER,DONALD C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 26)
Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             synthetic construct
synthetic construct
artificial sequences.
                                                                                                                                                 Molecular indexing for expressed gene
Patent: US 5707807-A 1 13-JAN-1998;
Location/Qualifiers
                                                                                                                                                                                               Kato, K
                                                                                                                                                                                                                                                        Unknown.
                                                                                                                                                                                                                                                                                                   Sequence 1 from 179494
                                                                                                                                                                                                                                                                                    179494.1
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                                                                                                                                                                                                                            Unclassified.
                                                                    Similarity
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ilarity 87.5%;
Conservative
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                                                     0.4%;
larity 87.5%;
Conservative
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Key Location/Qualifiers
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                                                    Score 19.2; DB 1;
Pred. No. 1.5e+02;
0; Mismatches 3;
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Pred. No. 1.5e+02;
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5707807.
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ORGANISM
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SOURCE
ORGANISM
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AR456223/c
LOCUS
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JOURNAL
FEATURES
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AUTHORS
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AR374073/c
LOCUS
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AR263648/c
LOCUS
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Best Local S
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Best Local Similarity 87.9
Matches 21; Conservative
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AR456223
AR456223.1
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AR374073
AR374073.1
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Sequence 7
AR263648
AR263648.1
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1 (bases 1 to 26)
Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
                                 Unknown.
Unclassified.
                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 26)
Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
Hammond, A.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 26)
Adler, D.A. and Sheppard, P.O.
Secreted salivary ZSIG63 Polypeptide
Patent: US 6331413-A 7 18-DEC-2001;
Location/Qualifiers
                                                       Unknown.
                                                                                                                                                                                                                                                                                        Methods of using zalphall ligand Patent: US 6605272-A 38 12-AUG-2003; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                              Unknown.
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from patent US 6331413.
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Pred. No. 1.5e
0; Mismatches
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); Mismatches
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Pred. No. 1.
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 Sprecher, C.A., Foster, D.C., Nelson, A.J., Dillon, S.R. an
                                                                                                  6686178.
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Nelson, A.J.,
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AX323384/c
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Best Local Similarity
Matches 21; Conserv
Query Match
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Cytokine zalphall ligand polynucleotides
Patent: US 6686178-A 38 03-FEB-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                          21;
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AX106717
                                                                                                                                                                         Crouzet, J., Scherman, D., Wils, P., Blanche, F. and Cameron, B. Purification of a triple helix formation with an immobilized
                                                                                                                                                                                                                                     synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                             Sequence 19 from Patent AX323384
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              synthetic construct synthetic construct
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ilarity 87.5%;
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                                                                                                                                 Pharma (FR)
                                                                                                                                            WO 0192511-A 19 06-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="unknown"
/mol_type="genomic DNA"
                                                        organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="Oligonucleotide primer ZC7764b"
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                                          'note="synthetic oligonucleotide"
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Patent WO0125444.
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Score 19.2; DB 1;
Pred. No. 1.5e+02;
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S64862S3
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Sequence 19
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AX686854.1
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                                                                                                                                                                                                                             Bailey,A.D. and Shen,C.K.
Sequential insertion of Alu family repeats into specific genomic sites of higher primates
Proc. Natl. Acad. Sci. U.S.A. 90 (15), 7205-7209 (1993)
                                                                                                                                                                                                                                                                                                                         Hylobates sp. (gibbon)
Hylobates sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                    S64862S3
                                                                                                                                                                         GenBank staff at the National Library of Medicine created this entry [NCBI gibbsq 13653] from the original journal article.
                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hylobatidae; Hylobates. 1 (bases 1 to 27)
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                         AAAAAAATACAAAAAAGAAAAAAT 5416
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                                                                                                      /organism="Hylobates sp."
/mol_type="genomic DNA"
/db_xref="taxon:9581"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                                                                                                                                             Location/Qualifiers
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Pred. No. 1.5e+02;
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Best Local Similarity
Matches 22; Conserv
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Matches 22; Conserv
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                         5389 AATTAAAAAAATACAAAAAAAGAAAAAA 5415
                                                                                                                                                                                                                                                                                                                  artificial sequences.

1 (bases 1 to 27)
Sengu,K.Y. and Ito,S.
REPLICATION OF DNA
Patent: JP 1993103673-A 79 2
ARIZONA BOARD OF REGENTS
OS Artificial sequence; Ge
OC Artificial sequence; Ge
PN JP 1993103673-A/79
PD 27-APR-1993
PF 26-AUG-1991 JP 19912405
PF 26-AUG-1993 JP 19912405
PF 26-AUG-1991 JP 19912405
PF 26-AUG-
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Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
Patent: US 5994076-A 1103 30-NOV-1999;
Location/Qualifiers
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AR090983
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ilarity 81.5%;
Conservative
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SENGU KUU YUU, ITO SUMIYOSHI
C12N15/10,C12N15/11//C12Q1/68;
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Artificial sequence; Genes.
JP 1993103673-A/79
                                                                                                  Conservative
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                                                                                                                                                                                           /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned
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                                                                                                                    0.3%;
                                                                                        ; Score 19; DB
; Pred. No. 1.6e
0; Mismatches
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Pred. No. 1.6e+02;
0; Mismatches 5
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AR260172/c
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SOURCE
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AX104719/c
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AR198018/c
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Sequence 911
AX104719
AX104719.1
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Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
Patent: US 6352829-A 1103 05-MAR-2002;
Location/Qualifiers
1. 27
         Krieg,A.M., Schetter,C. and Vollmer,J.C. Immunostimulatory nucleic acids Patent: WO 0122972-A 911 05-APR-2001; UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical GmbH (DE)
                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 27)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
Patent: US 6489455-A 1103 03-DEC-2002;
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Sequence 1103 from patent
AR260172
                                                                            synthetic construct
synthetic construct
artificial sequences.
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Sequence 1103 from patent
AR198018
AR198018.1 GI:20247867
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Similarity 81.5%;
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                                                                                                                                                      911 from Patent
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                       /organism="unknown"
/mol_type="genomic DNA"
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                                                                                                                              GI:13920916
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Pred. No.
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KEYWORDS
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AX355814/c
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AX547772/c
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                                                                                                                                                      AUTHORS
TITLE
Query Match
Best Local Similarity
Matches 22; Conserv
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Sequence 842 from Patent WO0197843.
AX355814
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Sequence 911 from Patent
AX547772
                                                                                                                Inhibition of angiogenesis by nucleic acids Patent: WO 020531141-A 911 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent: WO 0197843-A 842 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      synthetic construct synthetic construct
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                                                                                                                                                                                                       synthetic construct synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide~phosphorothioate
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/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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                                                 note="Synthetic Sequence"
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Pred. No. 1.6e+02;
0; Mismatches 5;
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Pred. No. 1.6e+02;
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ORGANISM
                                   RESULT 61
BD234336/c
LOCUS
DEFINITION
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AR409906/c
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FEATURES
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AR409904/c
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ACCESSION
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity 90.9%;
Matches 20; Conservative
              ORGANISM
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Sequence
AR409904
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Improved method for inserting
BD234336.1 GI:33044106
JP 2002532085-A/9.
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Keene, J.D., Tenenbaum, S.A. and Carson, C.C
Methods for isolating and characterizing
(mRNP) complexes
Patent: US 6635422-A 17 21-OCT-2003;
Location/Qualifiers
           synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                              (mRNP) complexes
Patent: US 6635422-A 19 21-OCT-2003;
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Keene, J.D., Tenenbaum, S.A. and Carson, C.C.
Methods for isolating and characterizing e
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artificial sequences
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                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="unassigned RNA"
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/mol_type="unassigned RNA"
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Pred. No. 1.5e+02;
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Sequence 5 :
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Highly sensitive multimeric nucleic acid probes
Patent: US 6077668-A 5 20-JUN-2000;
Location/Qualifiers
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1 (bases 1 to 26)
Kool,E.T.
Circular DNA vectors for synthesis of RNA and DNA
                                                                                                                                                                                                                                                                                                                                                                    Unknown.
                                              Unknown
                                                         Unknown.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Improved method for inserting nucleic acid into cyclic vector Patent: JP 2002532085-A 9 02-OCT-2002;
                                   Unclassified.
                                                                               AR204721.1
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17-DEC-1998 US 09/2138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="synthetic construct"
/mol type="genomic DNA"
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                                                                                                                                                                                                                                                              /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                          organism="unknown"
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Pred. No. 1.7e+02;
0; Mismatches 2;
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Pred. No. 1.7e+02;
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CQ628551
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BD244864
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Best Local Similarity 90.9%;
Matches 20; Conservative
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
                                                                                                                   Sequence 13291 from Patent CQ628551 CQ628551.1 GI:41678769
                                                                                                                                                                                                                                                                                                                                                                                                  Oligonucleotide primer capable of making the non-specific double strand formation unstable Patent: JP 2002532063-A 9 02-OCT-2002;
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Location/Qualifiers
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                                                                               Homo sapiens
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1 (bases 1 to 25)
Pelletier, J. and Das, M.
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Oligonucleotide primer capable of
                                                    Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                          Homo sapiens (human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          strand formation unstable.
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ilarity 84.0%;
Conservative
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C12N15/09,C12Q1/68,C12N15/00
Description of Artificial Sequence:
Key Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Artificial Sequence
JP 2002532063-A/9
02-OCT-2002
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07-OCT-1998 CA 22466
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                                                                                                                                                                                                                                                                                                                               /organism="synthetic co
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
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Pred. No. 1.8e
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AR434730
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
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Gu,Y. and Shannon,M.E.
Isoforms of human pregnancy-associated
Patent: US 6656700-A 1153 02-DEC-2003;
                                                                                                                          Polynucleotide encoding a human myosin-like predominantly in heart and muscle Patent: US 6686188-A 13291 03-FEB-2004; Location/Qualifiers
                                                                                                                                                                                                                                                                   Sequence 13291 from patent AR469614
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Unclassified.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                                    organism="unknown"
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Pred. No. 1.8e
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Pred. No. 1.8e+02;
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                                                                                                                                                                                    Chen, W. and
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AX391871/c
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BD237566/c
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Matches 21
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Matches 20; Conserv
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BD237566 26 bp

Genes and proteins predicting a

diabetes and obesity.

BD237566

BD237566.1 GI:33047336

JP 2002525115-A/1.
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Sequence 21 from Patent W00216618.
AX391871.
AX391871.1 GI:19700451
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                                                                                                                                                                                                                                                                                                                                                                                                  synthetic construct synthetic construct
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                                                                                                                                                                                                                                                                                                                      Aminopeptidase
Patent: WO 0216618-A 21 28-FEB-2002;
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Mammalia; Eutheria;
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/mol_type="unassigned DN
/db_xref="taxon:9606"
                                                                                                                                                                                                                                           /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Primates;
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Pred. No. 1.8e+02;
0; Mismatches 4
                                                                                                                                                                              Score 18.4; DB 1;
Pred. No. 1.9e+02;
1; Mismatches 3
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EP1229046.
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                                                   linear PAT 17-JU fit, hypertension,
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AR257336/c
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Local Similarity 83.3%;
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CURAGEN CORP
OS Artificial Sequence
PN JP 2002525115-A/1
PD 13-AUG-2002
PF 28-SEP-1999 UP 2000572365
PF 28-SEP-1998 US 09/161939
PI RICHARD A SHIMKETS
PC C12N15/09,A01K67/027,A61K31/7088,A61
PC A61K39/395,A61K48/00,A61P3/04,A61P3/
PC A61K39/395,C07K16/18,C12N9/10,C12N9/8
PC C07K14/47,C07K16/18,C12N9/10,C12N9/8
PC G01N33/50,C12N15/00,A61K37/02
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Shimkets,R.A.
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AR263647
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1 (bases 1 to 26)
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ilarity 83.3%;
Conservative
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Description of Artificial Sequence: oligo(dT)<25>V
Location/Qualifiers
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28-SEP-1998 US 09/161939
RICHARD A SHIMKETS
C12N15/09, A01K67/027, A61K31/7088, A61K38/00, A61K39/395, A61K39/
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/mol_type="genomic DNA"
                                                                                                                                                                                                                          /organism="unknown"
/mol_type="genomic DNA"
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Pred. No. 2e+02;
1; Mismatches 3;
26
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AX814950/c
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Matches 20; Conserv
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Matches 20; Conserv
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AX814950
AX814950.1 GI:39104088
synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 26)
1 (bases 1 to 26)
Conklin,D.C. and Blumberg,H.
Conklin,D.C. and Blumberg,H.
A human 2-19 protein homologue, Z219A
Patent: JP 2001507946-A 4 19-JUN-2001;
                                                                                             BD062456.1 GI:22608059
JP 2001507946-A/4.
                                                                                                                        A human 2-19 protein homologue, BD062456
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synthetic construct
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Adler, D.A. and Sheppard, P.O.
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llarity 83.3%;
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/mal_type="unassigned DNA"
/mb.type="taxon:12630"
/noTe="Description of Artificial
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Pred. No. 2e
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Z219A.
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2e+02;
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AR123791
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BD244857/c
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synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 23)
Pelletter, J. and Das, M.
Oligonucleotide primer capable of making the strand formation unstable Patent: JP 2002532063-A 2 02-OCT-2002;
MCGILL UNIVERSITY
OS Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZYMOGENETICS INC
OS Artificial S
PN JP 200150794
PD 19-JUN-2001
PP 06-OCT-1998
PR 06-OCT-1997
PI DARRELL C COI
PC C12N15/12,C1:
A01K67/027
CC Oligonucleot:
FH Key
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Sequence 7
AR123791
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                                                                                                                     strand formation unstable.
BD244857
BD244857.1 GI:33054627
JP 2002532063-A/2.
                                                                                                                                                                    BD244857 23 bp
Oligonucleotide primer capable
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Kinet, J. Pierre.
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Unclassified.
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06-OCT-1997 US 60/061712
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JP 2001507946-A/4
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                                                                                                                                                                                                                                                                                                                                            /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="genomic DNA"
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Pred. No. 2e+02;
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Pred. No. 2e+02;
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AR034772
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AR010037
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5393 AAAAAAATACAAAAAAGAAAAAA 5415
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Sequence 50
AR010037
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Sequence 50 from patent US
AR034772
AR034772.1 GI:5950377
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                                                                             1 (bases 1 to 24)
Johnson, E.M. and Bergemann, A.D.
Monoclonal antibodies to the pur pro
Patent: US 5869622-A 50 09-FEB-1999;
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Similarity 87.0%;
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Similarity 87.0%;
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02-OCT-2002
06-OCT-1999 JP 2000574722
07-OCT-1998 CA 2246623
JERRY PELLETIER, MANJULA DAS
C12N15/09, C12Q1/68, C12N15/09
Description of Artificial Sequence: sy
Key Location/Qualifiers
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|mol_type="genomic DNA"
|db_xref="taxon:32630"
                                      organism="unknown"
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                        _type="unassigned DNA"
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Pred. No. 2e+02;
0; Mismatches 3;
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AR105984
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AR107972
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Matches 20; Conservative
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Dellinger, D.J., Dahm, S.C. and Troll, M.A.
Signal enhancement method and kit
Patent: US 585393-A 1 29-DEC-1998;
Location/Qualifiers
Unknown.
Unknown.
                                                                                                                                                                                                                                    1 (bases 1 to 24)
Dellinger,D.J., Dahm,S.C., Ilsley,D.D.,
Hybridization assay signal enhancement
Patent: US 6103474-A 7 15-AUG-2000;
Location/Qualifiers
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Sequence 1 from
AR068465
                                         AR107972
Sequence 1 from patent US
AR107972
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Sequence 7 from patent US
AR105984
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                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="unknown"
/mol_type="unassigned
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/mol_type="unassigned
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                                 GI:12823459
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BD234330/c
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BD234330
                               Homo sapiens (human)
                                                                                                                                                                                            l Similarity
20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                         artificial sequences
1 (bases 1 to 24)
Romantchikov,Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        synthetic construct synthetic construct
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JP 2002532085-A/3.
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llarity 87.0%;
Conservative
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Improved method for inserting nucleic acid integrated method for inserting nucleic acid inserting nucl
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Dellinger, D.J., Dahm, S.C. and Troll, M.A.
Signal enhancement method and kit
Patent: US 6110682-A 1 29-AUG-2000;
Location/Qualifiers
                                                                                                                                                                                           CQ482966 2 Sequence 14833 from Patent CQ482966 CQ482966.1 GI:41448585
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
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Pred. No. 2e+02;
0; Mismatches
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Pred. No. 2e+02;
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5393 AAAAAAATACAAAAAAGAAAAAA 5415
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Sequence 11 from
AR184443
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1 (bases 1 to 24)
Johnson, E.M. and Bergmann, A.D.
Cloning and expression of pur protein
Patent: US 5545551-A 25 13-AUG-1996;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
I24762
                                                                                                                         Real-time monitoring of PCR using LOCI Patent: US 6346384-A 11 12-FEB-2002; Location/Qualifiers
                                                                                                                                                                                                   Unknown.
                                                                                                                                                                                                              Unknown.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schlegel,R., Endege,W.O. and Monahan,J.E.
Genes differentially expressed in human prostate cancer and their
                                                                                                                                                            1 (bases 1 to 24)
Pollner, R.B.
                                                                                                                                                                                      Unclassified.
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                                                 Similarity
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                                /organism="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                             organism="unknown"
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                                                                                     /mol_type="unassigned
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/ative 0; Mismatches 3;
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87.0%; Pred. No. 2e+02;
tive 0; Mismatches 3;
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AR232949
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Sequence
AR202876
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Sequence 1 from patent US
AR232949
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Quantitative determination of nucleic
Patent: US 6365346-A 4 02-APR-2002;
Location/Qualifiers
               Cruson, I
                                                Unknown.
                                                                                      AR232949.1
                                                                                                                                                                                                                                                                                                                        Patent: US 6406667-A 4 18-JUN-2002;
Location/Qualifiers
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Singh, S. and Ullman, E.F.
                                                                                                                                                                                                                                                                                                                                                                                                            Unknown
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AR213697
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 Front tube furrow opener attachment
                                                              Unknown
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nilarity 87.0%;
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/mol_type="genomic DNA"
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Best Local Similarity 87.0%;
Matches 20; Conservative (
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                                                                                                                                     Oligonucleotide arrays and their use for sorting, isolating, sequencing, and manipulating nucleic acids patent: US 6322971-A 6 27-NOV-2001; Location/Qualifiers
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Garner,H.R., Wren,J.D., Minna,J.D. and Fondon,J.W. III.
Polymorphic repeats in human genes
Patent: US 6472154-A 134 29-OCT-2002;
Location/Qualifiers
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Sequence 134 from patent
AR241846
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Chetverin, A.B. and Kramer, F.R.
                                                                                                                                                                                                                          Unknown
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Unclassified.
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Location/Qualifiers
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                                                                                               /mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                organism="unknown"
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Pred. No. 2e+02;
0; Mismatches 3;
                                               Score 18.2; DB 1;
Pred. No. 2e+02;
0; Mismatches 3;
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Pred. No. 2e+02;
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RESULT 91

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Best Local Similarity 87.0%; Pred. No. 2e
Matches 20; Conservative 0; Mismatche
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Su.X., Dong,H. and Ryder,T.B.
Amplification of nucleic acids
Patent: US 6582938-A 1 24-JUN-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 24)
Patel, R. and Kurn, N.
Quantitative determination of nucleic Patent: US 6573054-A 4 03-JUN-2003;
Location/Qualifiers
                                    Oligonucleotides with inverted polarity Patent: US 5399676-A 1 21-MAR-1995;
Location/Qualifiers
                                                                                                              Unknown
                                                                                                                                                                 Sequence 1 from patent US AR364668
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AR345020
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Sequence 4 from patent US
AR340571
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/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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AX104241/c
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Sequence 433 from Patent
AX104241
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Vaisberg, B.A., Adams, C.L., Sabry, J.H. and Crompton, A.M.
Database system including computer code for predictive cellular
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AR431310
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                                                                                                                                                                                                                                                                          synthetic construct synthetic construct
  AX104769
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Location/Qualifiers
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Similarity 87.0%;
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                                                                                                                                          /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Sequence 11 from Patent WO0173129.
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Sequence 962 from Patent WO0122972.
AX104770
AX104770.1 GI:13920967
Real time monitoring Patent: WO 0173129-A
                                                                         synthetic construct
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                              Pollner, R.B.
                                                             artificial
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned
/db_xref="taxon;32630"
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                                                            sequences.
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Pred. No. 2e+02;
0; Mismatches
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 PCR using loci
04-OCT-2001;
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AX427163/c
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AX355813/c
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Sequence 12 from Patent WO0210374.
AX427163
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UNIVERSITY OF IOWA RESEARCH FOUNDATION
Location/Qualifiers
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synthetic construct
artificial sequences.
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                                                                                            Gene silencing using mrna-cdna hybrids Patent: WO 0210374-A 12 07-FEB-2002; UNIVERSITY OF SOUTHERN CALIFORNIA (US)
Location/Qualifiers
                                                                                                                                                                                         synthetic construct synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organiam="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noEe="Synthetic oligonucleotide-phosphorothioate
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                                                                                   Chuong, C.M. and Widelitz, R.B
                           /note="Poly(dT)24 primer"
                                                                   organism="synthetic construct"
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 Score 18.2;
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AX547822/c
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AX547294/c
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AX428574
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Inhibition of angiogenesis by nucleic acids Patent: WO 02053141-A 433 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
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Location/Qualifiers
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AX547294
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                                                                                                                 Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                    /note="Synthetic Sequence"
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AX684290/c
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                AUTHORS
TITLE
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Best Local Similarity 87.0%;
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Best Local Similarity
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Inhibition of angiogenesis by nucleic acids Patent: WO 02053141-A 961 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
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Sequence 962 from Patent WO02053141.
AX547823
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Mack,D.H., Gish,K.C. and Wilson,K.E. methods of diagnosing colorectal cancer and/or breast compositions, and methods of screening for colorectal
                                                                                                                                                                                                                                                                                                                                                                                                       Bratzler,R.L.
Inhibition of angiogenesis by nucleic acids Patent: WO 02053141-A 962 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
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/db_xref="taxon:32630"
/note="Synthetic Sequence"
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/db_xref="taxon:32630"
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Pred. No. 2e+02;
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SOURCE
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AX829247/c
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                                                                                            Mack,D.H., Gish,K.C. and Afar,D.

Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer

Patent: WO 02059377-A 140 01-AUG-2002;

EOS Biotechnology, Inc. (US)

Location/Qualifiers
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Methods of diagnosing breast cancer and screening for modulators
Patent: WO 0221134-A 11 14-MAR-2002;
BOS Biotechnology, Inc. (US)
Location/Qualifiers
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Patent: WO 02059609-A 13 01-AUG-2002;
EOS Biotechnology, Inc. (US)
Location/Qualifiers
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/mol_type="unassigned DNA"
/mol sreft="taxon:32630"
/mote="T7-(dT)-24 primer"
                                organism="synthetic construct"

/mol_type="unassigned DNA"

/db_xref="taxon;32630"
                 note="Description
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|db_xref="taxon:32630"
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Sequence 24 from Patent
AX961629
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                                    /note="Immunostimulatory oligonucleotide"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Quantitative assay of nucleic acid amplification produced by the patent of processing produced by the patent of processing produce as a produce produc
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Dellinger,D.J., Dahm,S.C., Ilsley,D.D.,
Hybridization assay signal enhancement
Patent: US 6103474-A 5 15-AUG-2000;
Location/Qualifiers
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JP 2002504350-A/4.
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                     Score 18.2; DB 1;
Pred. No. 2.1e+02;
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Pred. No. 2
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DEFINITION

BD187513 25 bp DNA linear PAT 17-JUL-2003 Probe carrier, Method and Apparatus for producing Probe carrier.

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UTHORS Okamura, N., Okamoto, T. and Kameyama, M.
Probe carrier, Method and Apparatus for producing Probe carrier
URNAL Patent: UP 2003014773-A 4 15-JAN-2003;
CANON INC
OS Artificial Sequence
PN JP 2003014773-A/4
PD 15-JAN-2002 T
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            5393 AAAAAAATACAAAAAAGAAAAAA 5415
                                                                                                                                                        PF 28-MAR-2002 JP 2002093024
PI nobuyuki okamura,tadashi okamoto,makoto kameyama CC oligonucleotide used as a probe to be stabilized CC on a carrier
FH Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20;
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synthetic construct
artificial sequences.
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JP 2003014773-A/3
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(ey Location/Qualifiers.
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                                                                                              /mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
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Pred. No. 2.1e+02;
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158009/c
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BD204988/c
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OS ARTÍFI
PN JP 200
PD 09-APR
PF 31-MAR
PR 03-APR
PR 03-APR
PI ROBERT
                                                                                                                                        1 (bases 1 to 25)
Nikiforov, T. and Knapp, M.R.
Method for immobilizing nucleic acid molecules
Patent: US 5610287-A 2 11-MAR-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                           Sequence 2 from 158009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        artificial sequences.

1 (bases 1 to 25)
Kuimelis,R.G. and Wagner,R.
Protein array enabling site specification
Patent: JP 2002510505-A 23 09-APR-2002;
                                                                                                                                                                                                                                     Unknown.
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                                                                                                                                                                                                                                                               158009.1
                                                                Similarity
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C C12N15/00
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JP 2002510505-A/23
09-APR-2002
                                                 0.3%;
llarity 87.0%;
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ilarity 87.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAR-1999 JP 2000542484
03-APR-1998 US 60/080686
ROBERT G KUIMELIS, RICHARD WAGNER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="synthetic construct"
/mol_type="genomic DNA"
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                                                                                                  /mol_type="unassigned
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                                                                                                                 organism="unknown"
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                                                 Score 18.2; DB
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AX500812
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AR288252/c
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Sequence 2119 from Patent
AX500812
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Wong, Y.N.
Production and use of magnetic porous inorganic Patent: US 5734020-A 2 31-MAR-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AR288252
Sequence 23 from patent US
AR288252
                        Human testis expressed patched like protein Patent: EP 1229046-A 2119 07-AUG-2002;
                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                 Homo sapiens
                                                                                                               Homo sapiens (human)
                                                                                                                                        AX500812.1
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Kuimelis, R.G. and Wagner, R.
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             Aeomica, Inc. (US)
                                                   Zhan,J.
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Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="genomic |
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                                                                                                                                        GI:23383105
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Pred. No. 2.1e+02;
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Best Local Similarity 87.0%;
Matches 20; Conservative
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                              Matches
                                           Query Match
Best Local Similarity
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 5393 AAAAAAATACAAAAAAGAAAAAA 5415
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                                                                                                                                                                                                                                                                            unidentified unidentified unclassified.
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Sequence 10 from Patent WO9720924.
A63569
A63569.1 GI:3717224
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Other publication IT MI952539 19970604
Other publication AU 1175497 19970627.
Location/Qualifiers
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Sequence 2120 from Patent
AX500813
AX500813.1 GI:23383106
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                     Patent: WO 9720924-A 10 12-JUN-1997;
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                              Conservative
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/mol_type="unassigned DNJ
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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87.0%;
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BD192375/c
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                                 BD192375
Reagents and methods usef
BD192375
BD192375.1 GI:33002114
JP 2002516576-A/14.
Mus sp.
Mus sp.
Eukaryota;
Mammalia; E
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Sequence 5 f
AR137712
AR137712.1
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Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
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Sequence 39 from patent US
AR174582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20;
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Patent: US 6307024-A 39 23-OCT-2001;
Location/Qualifiers
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Lin, S.-L., Chuong, C.-M. and Ying, S.-Y.
Method for generating full-length cDNA
Patent: US 619754-A 5 06-MAR-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                            Unclassified.
                                                                                                                                                                                                                                                                                                                                                                        Unknown.
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ilarity 87.0%;
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and methods useful:
 Butheria;
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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 Chordata;
Rodentia;
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Pred. No. 2.1e+02;
0; Mismatches 3;
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 Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
                                                                             DNA detecting
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Best Local Similarity 87.0%;
Matches 20; Conservative
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                                                                                                                        FOSTER,
PI RI
PI STI
PC C1
PC C0
PC C0
   A61K37/02
CC Oligor
                                                                                                                                                                                                                                                                                                          OS Artificial Sequence
PN JP 2002537839-A/36
PD 12-NOV-2002
PP 09-MAR-2000 JP 2000603382
PR 09-MAR-1999 US 09/264908,11-MAR-1999 US 09/265992 PR 09-MAR-1999 US 60/142013
PI JULIA E NOVAK,SCOTT R PRESNELL,CINDY A SPRECHER, DONALD C PI
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BD248975.1 GI:33058745
JP 2002537839-A/36.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel cytokine ZALPHA11 ligand
Patent: JP 2002537839-A 36 12-J
ZYMOGENETICS INC
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synthetic construct
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CC Strandedness: Single;
CC Topology: Linear;
CK Topology: Linear;
FH Key Location/Qualifiers.
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[ (bases 1 to 26)
                                                                                          C12N1/21,
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                                                                                                                                                                               RICHARD D HOLLY, JANE A GROSS, JANET V JOHNSTON, ANDREW J NELSON, STACEY R DILLON, ANGELA K HAMMOND C12N15/09, A61X38/00, A61X45/00, A61P35/00, A61P37/00, C07K14/52, C12N15/09, A61X45/00, A61X45/00, A61Y45/00, A61Y45/00,
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04-JUN-2002
19-JUN-1998 JP 1999504891
20-JUN-1997 US 08/8793
                                                          C12N5/10, C12P21/02, C12P21/02, G01N33/53, C12N15/00, C12N5/00, PC
                                                                                                                           C07K14/54, C07K14/55, C07K16/24, C07K19/00, C12N1/15, C12N1/19,
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Oligonucleotide
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cytokine ZALPHA11 ligand.
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/mol_type="genomic DNA"
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Sequence 2
179495
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                                                                                                             Molecular indexing for expressed gene analysis Patent: US 5707807-A 2 13-JAN-1998; Location/Qualifiers
                                                                                                                                                                                          Unknown
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                         /mol_type="unassigned DNA"
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Pred. No. 2.1e+02;
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179496
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Sequence
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                                           Unknown.
Unknown.
1 (bases 1 to 26)
Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
                                                                                                                                                                                                                                                                                              1 (bases 1 to 26)
O'Neil, R.A., Chen, J.-K., Chiesa, C. and I
Multiplex polynucleotide capture methods
Patent: US 6514699-A 2 04-FEB-2003;
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Location/Qualifiers
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/mol_type="genomic DNA"
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  Sprecher, C.A., Foster, D.C., Nelson, A.J., Dillon, S.R. an
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Best Local Similarity 87.0%;
Matches 20; Conservative
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Methods of using zalphall ligand
Patent: US 6605272-A 39 12-AUG-2003;
Location/Qualifiers
                                                                                                                            1 (bases 1 to 26)
Novak, J.E., Presnell, S.R., Sprecher, C.A., Foster, D.C., Gross, J.A., Johnston, J.V., Nelson, A.J., Dillon, S.R. and Hammond, A.K.
Cytokine zalphall ligand polynucleotides
Cytokine zalphall Band Polynucleotides
Cytokine zalphall General Cytokine Location/Qualifiers
                                                                                                                                                                                                                                                                                   AR456224
Sequence 39 from patent US
AR456224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 26)
Ju,J., Li,Z., Tong,A. and Russo,J.J.
Combinatorial fluorescence energy transfer tags and their
applications for multiplex genetic analyses
Patent: US 6627748-A 1 30-SEP-2003;
Location/Qualifiers
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/mol_type="genomic DNA"
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/mol_type="genomic
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                                      Score 18.2; DB 1;
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RESULT 134
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AX528804/c
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BD007174 26 bp DNA linear PAT 31-JA Method and composition for capturing multiple polynucleotide. BD007174 BD007174.1 GI:18635545 JP 2001503973-A/2. unidentified unidentified
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Sequence 53 from Patent WO02059357.
AX528804
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AX427154
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Assay and kit for analyzing gene expression
Patent: WO 02059357-A 53 01-AUG-2002;
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mbe="Poly(dT)-26mer primer"
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87.0%; Pred. No. 2.1e+02;
tive 0; Mismatches 3;
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Patent WO0210374.
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Matches 20; Conserv
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pN JP 2001503973-A/2
pD 27-MAR-2001
pF 02-OCT-1997 JP 1998516839
pR 04-OCT-1996 US 60/027832,12-JUN-1997 US 08/6
ROGER A O'NEILL, JAR CAIN CHEN, CLAUDIA CHIESA, GEORGE FRY C1201/68, C12N15/09, C13N15/00
CC Strandedness: Single;
CC Topology: Linear;
FH Key Locati
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OGneill,R.A., Chen,J.C., Chiesa,C. and Fry,G.

WILE

Method and composition for capturing multiple polynucleotide

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THE PERKIN ELMAR CORP

PN UP 2001503973-A 2 27-MAR-2001;

PP 02-WITAR-2001

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PR 04-7
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                                  AX530371 18 bp
Sequence 94 from Patent WO0240668.
AX530371
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Patent: WO 0240668-A 92 23-MAY-2002;
Apotech Research and Development Ltd. (CH)
synthetic construct
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nilarity 87.0%;
Conservative 0
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/db_xref="taxon:32630"
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100.0%; Pr
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A64738/c
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Matches 18; Conservative 0; Mismatch
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A64738
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Sequence 1 from Patent WO9729116.
A64735
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Proteins and dna sequences underlying these proteins treating inflammations

Patent: WO 0240668-A 94 23-MAY-2002;

Apotech Research and Development Ltd. (CH)

Location/Qualifiers
                                                         Reese, C.B. and Rao, M.V. SULPHUR CONTAINING DINUCLECTIDE PHOSPHORAMIDITES PAtent: WO 9729116-A 4 14-AUG-1997; CRUACHEM LTD (GB)
                                                                                                                                                 unidentified unidentified
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SULPHUR CONTAINING DINUCLEOTIDE PHOSPHORAMIDITES
Patent: MO 9729116-A 1 14-AUG-1997;
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nilarity 90.5%;
Conservative
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4 from Patent WO9729116
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Pred. No. 2.1e+02;
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AX104716/c
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Krieg,A.M., Schetter,C. and Vollmer,J.C.
Immunostimulatory nucleic acids
Patent: WO 0122972-A 908 05-APR-2001;
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                                                      synthetic construct synthetic construct
                                                                                                  Sequence 908 from Patent AX104716
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                                                                                                                                                                                                                                                                                                                                                                     Unknown
                                                                                         AX104716.1 GI:13920913
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                                                                                                                                                                                                                                                                              organism="unknown"
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Query Match
Best Local Similarity
Matches 19; Conserv
                                             Query Match
Best Local Similarity
Matches 19; Conserv
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Best Local Similarity 90.5%;
Matches 19; Conservative
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1180 AGAGAAAGAGAGAGAGAGAAA 1200
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Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences
Patent: US 5856103-A 8 05-JAN-1999;
Location/Qualifiers
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Sequence 8 from patent US
AR026545
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol type="unassigned DNA"
/mol type="taxon:32630"
/moEe="Synthetic Sequence"
                                                                                                        /organism="unknown"
/mol_type="unassigned DNA"
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Matches 19; Conserv
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Sequence
AR026546
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Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences
Patent: US 5856103-A 10 05-JAN-1999;
Location/Qualifiers
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Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences
Patent: US 5856103-A 9 05-JAN-1999;
Location/Qualifiers
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Sequence 10 from patent US
AR026547
AR026547.1 GI:5937387
1 (bases 1 to 24)
Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences
Patent: US 5856103-A 11 05-JAN-1999;
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AR026548
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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90.5%; Pred. No. 2.4e+02
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Matches 19; Conserv
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Sequence 9 f
AR128994
AR128994.1
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AR128993
AR128993.1
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Gray, D.M. and Clark, C.L.
Apparatus and method-for selectively ranking sequences for antisense targeting
Patent: US 6183966-A 8 06-FEB-2001;
Location/Qualifiers
1. .24
                                                                                                                          1 (bases 1 to 24)
Gray,D.M. and Clark,C.L.
Apparatus and method for selectively ranking sequences
antisense targeting
patent: US 6183966-A 9 06-FEB-2001;
Location/Qualifiers
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                                              Conservative
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Pred. No. 2.4e+02;
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1 (bases 1 to 24)
Gray, D.M. and Hashem, G.M.
Conversion of a watson-crick DNA to a Patent: US 6362322-A 1 26-MAR-2002;
Location/Qualifiers
1. .24
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Gray, D.M. and Clark, C.L.
Apparatus and method for selectively ranking sequences antisense targeting
Patent: US 6183966-A 11 06-FEB-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unclassified.

1 (bases 1 to 24)
Gray,D.M. and Clark,C.L.
Apparatus and method for selectively
antisense targeting
Patent: US 6183966-A 10 06-FEB-2001;
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/mol_type="unassigned DNA"
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AR202470/c
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(conversion of a watson-crick DNA to a Patent: US 6362322-A 2 26-MAR-2002;

Location/Qualifiers
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Gray, D.M. and Hashem, G.M.
Conversion of a watson-crick DNA to
Patent: US 6362322 A 3 26-MAR-2002;
Location/Qualifiers
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Gray, D.M. and Hashem, G.M.
Conversion of a watson-crick DNA to a hoogsteen-paired duplex
Patent: US 6362322-A 5 26-MAR-2002;
Location/Qualifiers
                                                                      1 (bases 1 to 24)
Gray, D.M. and Hashem, G.M.
Conversion of a watson-crick DNA to a hoogsteen-paired duplex
Patent: US 6362322-A 6 26-MAR-2002;
Location/Qualifiers
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Gray,D.M. and Hashem,G.M.
Conversion of a watson-crick DNA to a hoogsteen-paired duplex
Patent: US 6362322-A 4 26-MAR-2002;
Location/Qualifiers
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AR391940
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Sequence
AR205489
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AR168752
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1 (bases 1 to
                    Unknown
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Osteoprotegerin
Patent: US 6369027-A 21 09-APR-2002;
Location/Qualifiers
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Boyle, W.J., Lacey, D.L., Calzone, F.J.
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Boyle,W.J., Lacey,D.L., Calzone,F.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent: US 6288032-A 28 11-SEP-2001;
                                                                                                                                                                     /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 17.6; DB 1;
Pred. No. 2.5e+02;
                                                                                                                              Score 17.6; DB 1;
Pred. No. 2.5e+02;
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AR431308/c
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AR431307/c
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               5393 AAAAAAATACAAAAAAGAAAAAAT 5416
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Vaisberg, B.A., Adams, C.L., Sabry, J.H. and Crompton, A.M.
Database system including computer code for predictive bioinformatics
Patent: US 6651008-A 2 18-NOV-2003;
Location/Qualifiers
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                                                                                                                                                                                                                                                                      Sequence 2 from patent US AR431308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unclassified.

1 (bases 1 to 24)

Vaisberg, E.A., Adams, C.L., Sabry, J.H. and Crompton, A.M.

Database system including computer code for predictive cellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1 from AR431307
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Location/Qualifiers
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                                                                                                                                                                                                          Unclassified.
                                                                                                                                                                                                                                    Unknown.
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                                                                                               /organism="unknown"
/mol_type="genomic
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/mol_type="genomic"
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                                                                                              _type="genomic DNA"
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Pred. No. 2.5e+02;
0; Mismatches 4
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Pred. No. 2.5e+02
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                                                          2.5e+02
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AX076505
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KEYWORDS
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AX361125
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TITLE
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Use of phytanic acid for the treatment of diabetes
Patent: EP 1177789-A 9 06-FEB-2002;
Roche Vitamins AG (CH)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AX361125 24 bp
Sequence 9 from Patent EP1177789.
AX361125
                                                                                                                                                                                                                                                                                                                                                                                                      synthetic construct
synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 21
AX076505
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Similarity 83.3%;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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AGCTGCACCCGAGCTTCAAGGAGC 24
                 AGCTGGACCTGAGCTTCAATGTGC 3151
                                                         Conservative
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of rat primary hepatocytes"
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/mol_type="unassigned DNJ
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                 note="6-carboxy-tetramethyl-rhodamin-cytosine"
/mod_base=OTHER
                                                                                                                                                                           note="6-carboxy-fluoresceine-adenine"
                                                                                                                                                             mod_base=OTHER
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RESULT 163 AX952222

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DEFINITION
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AX961626/c
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AX961625/c
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synthetic construct
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artificial sequences.
                                                               Sequence 21
AX961626
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Sequence 20 from Patent WO03101375.
AX961625
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Method of identifying pancreatic ductal carcinoma (pdc) specific genes using pancreatic ductal cells, method of testing for pdc using said genes, and method of screening pharmaceutical candidate compounds for treating or preventing pdc patent: WO 0309879-A 5 27-NOV-2003; FUJISAWA PHARMACEUTICAL CO., LTD. (JP)
Location/Qualifiers
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AX952222
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                                                     AX961626.1
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ilarity 83.3%;
Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                               /note="Immunostimulatory oligonucleotide"
                                                                                                                                                                                                                                                                           /mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                      GI:40881084
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Pred. No. 2.5e+02;
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Pred. No. 2.5e+02;
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AX961627
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    BEAT FLUEHMANN, MANUEL HELM, WILLI HUNZIKER, PETER WEBER
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5398 AATACAAAAAAGAAAAATGAAAA 5421
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ROCHE VITAMINS AG
OS Artificial Sequence
PN JP 2002104984-A/9
PD 10-APR-2002
PR 01-AUG-2000 IP 200123
PR 04-AUG-2000 EP 0011
PI BEAT FLUEHMANN, MANUEL
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BD144742.1 GI:27850500
JP 2002104964-A/9.
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                                                                                                                        artificial sequences.

1 (bases 1 to 24)

Fluehmann, B., Helm, M., Hunziker, W. and Weber, P.
Use of phytanic acid for the treatment of diabetes
Patent: JP 2002104964-A 9 10-APR-2002;
                                                                                                                                                                                                                       synthetic construct synthetic construct
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Similarity 83.3%;
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04-AUG-2000 EP 00116848.3
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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from Patent W003101375.
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Pred. No. 2.5e+02;
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Pred. No. 2.5e+02;
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the
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treatment
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Antoni, F. and Paterson, J.M.
Human adenylate cyclase and use therefor
Patent: US 6197581-A 103 06-MAR-2001;
Location/Qualifiers
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A61P3/04,
PC A61P3/06,A61P3/10
CC TagMan-probe for amplification of a
                                                                 Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
                                                                                                         Homo sapiens (human)
Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                       Sequence 4831 from Patent CQ620091
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                                     Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 4831 06-DEC-2001;
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6-carboxy-fluoresceine-adenine
6-carboxy-tetramethyl-rhodamin-cytosine
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/mol_type≈"genomic DNA"
/db_xref="taxon:32630"
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2112 GATGCAGCAGATGAAGCGGAAGGA 2135
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Shannon,M.B.
Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 4832 06-DEC-2001;
Aeomica, Inc. (US)
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Sequence 4832 from Patent
CQ620092
CQ620092.1 GI:41670310
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                                                                                                                                                                   Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 12949 06-DEC-2001;
                                                                                                                                                                                              Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W.
Shannon,M.E.
                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates;
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                                         Similarity
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Pred. No. 2.6e+02;
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Pred. No. 2.6e+02;
0; Mismatches 4
                           Score 17.6; DB 1
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WO0192524.
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Sequence 12950 from Patent
CQ628210
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 13290 from Patent
CQ628550
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                                                                                                                                                                                                                                                                                                       Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 13290 06-DEC-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                13292
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83.3%; Pred. No. 2.60
Live 0; Mismatches
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                                                       1 (bases 1 to 25)
Gu,Y. and Shannon,M.E.
Isoforms of human pregnancy-associated protein-E
Patent: US 6656700-A 1152 02-DEC-2003;
                                                                                                                                                                               Sequence 1152 from patent AR434729 AR434729.1 GI:40197572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 25)
Pickup, D.J., Patel, D. and Antczak, J.B.
Site-specific RNA cleavage
Patent: US 5578468-A 42 26-NOV-1996;
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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AR461154
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AR461155
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AR461155
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Gu,Y. and Shannon,M.E.
Isoforms of human pregnancy-associated
Patent: US 6656700-A 1154 02-DEC-2003;
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
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                                                                                                                                                                                    Polynucleotide encoding a human myosin-like predominantly in heart and muscle Patent: US 6686188-A 4831 0.FEB-2004;
Location/Qualifiers
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0; Mismatches
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Pred. No. 2.6e+02;
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Best Local Similarity 83.3%;
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AR469272
AR469272.1 GI:4
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.B.
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Sequence 12950 from patent
AR469273
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K.,
Shannon,M.B.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Shannon,M.E.
            Polynucleotide encoding a human myosin-like predominantly in heart and muscle Patent: US 6686188-A 12950 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 12949 03-FEB-2004; Location/Qualifiers
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Shannon,M.B.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Shannon,M.E.
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Sequence 13292 from patent
AR469615
AR469615.1 GI:42704672
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Sequence 2117 from Patent
AX500810
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Sequence 103 from Patent EP1097991.
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AX138773.1 GI:14274530
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AX043526
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Human adenylate cyclase ix and use therefor Patent: EP 1097991-A 103 09-MAY-2001;
MEDICAL RESEARCH COUNCIL (GB)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                    0.3%;
llarity 83.3%;
Conservative (
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                                                                                                                                                                                                                                                                                                            /organism="synthetic construct"
/mol_type="unassigned DNA"
/mb xref="taxon:32630"
/note="Primer based on Mus sp. adenyl cyclase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="synthetic construct"
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/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                                                                                  ocation/Qualifiers
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Pred. No. 2.6e+02;
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Pred. No. 2.6e+02.
0; Mismatches '
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EP1229046
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Human testis expressed patched like protein Patent: EP 1229046-A 2117 07-AUG-2002; Aeomica, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2987 from Patent AX690255
                                                                                                          Shannon, M., Gu, Y. and Nguyen, C.T. Four human zinc-finger-containing proteins :
                                                                                                                                                                             Homo sapiens (human)
                                                                                                                                                                                                                      AX690256.1 GI:29413114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shannon, M., Gu, Y. and Nguyen, C.T.
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                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent: EP 1281758-A 2987 05-FEB-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Four human zinc-finger-containing proteins : mdz3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens (human)
                                                                                 Patent: EP 1281758-A 2988 05-FEB-2003;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Pred. No. 2.6e+02;
0; Mismatches 4;
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Pred. No. 2.6e+02;
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                                                                                                            mdz4, mdz7
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RESULT 189
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AR294112/c
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Best Local Similarity 83.3%;
Matches 20; Conservative
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                       1181 GAGAAAGAGAGAGAGAA 1199
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Sequence 15 from Patent W003080844.
XX923238
                                                                                                                                                  1 (bases 1 to 19)
Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 5847 25-MAR-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                            AR294112
Sequence 5847 from patent
AR294112
AR294112.1 GI:31681396
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                                                                                                                                                                                                                                                      Unknown
                                                                                                                                                                                                                                                                   Unknown.
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/mol_type="unassigned DNA"

/db_xref="taxon:32630"
                                                                                                           /mol_type="genomic
                                                                                                                         organism="unknown"
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; Pred. No. 2.6e
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Pred. No. 2.3e+02;
0; Mismatches 1;
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AR084604/c
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Best Local Similarity
Matches 18; Conserv
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Best Local Similarity
Matches 18; Conserv
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Sequence 23
AR069073
AR069073.1
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Sequence
AR084604
                                1 (bases 1 to 20)
Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 93 09-NOV-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 20)
Matson,R.S., Coassin,P.J., Rampal,J.
Oligonucleotide repeat arrays
Patent: US 5981185-A 72 09-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                               Unknown.
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Arnold,L.J. Jr., Reynolds,M.A., Schwartz,D.A. and
Oligonucleoside cleavage compounds and therapies
Patent: US 5854410-A 23 29-DEC-1998;
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/mol_type="unassigned
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/mol_type="unassigne
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/organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 2.
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S 5854410.
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S 5981185.
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                                                                      Caskey, C. Thomas
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AR225072
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VERSION
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DEFINITION
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ORGANISM
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DEFINITION
ACCESSION
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                             RESULT 196
AX298806/c
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I16926/c
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Best Local Similarity
Matches 18; Conserv
                                                                                                                   Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                   TITLE
                                                                                                                                                                                                                                        AUTHORS
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AX298806
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AX298806
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and Gao, B.

and Gao, B.

channel compositions and methods
Calcium channel compositions and methods
Patent: US 6441156-A 38 27-AUG-2002;
Location/Qualifiers
1. .20
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AR225072
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I16926
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Cantor, C.R., Ito, T. and Smith, C.L.
DNA purification by triplex-affinity
electrophoresis
Patent: US 5482836-A 1 09-JAN-1996;
Location/Qualifiers
                                                                                                                                                                                                                                                                        Unknown
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Lerman,M.I., Latif,F., Wei,M.-H., Duh,F.-M.,
                                                                                                                                                                                                                                                              Unclassified.
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ilarity 94.7%;
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           440
                                                                                                                                                          /organism="unknown"
/mol_type="genomic |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="unassigned
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94.7%; Pred. No. 2.4e+C
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Pred. No. 2.4e+02;
0; Mismatches 1.
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Pred. No. 2.4e+02;
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RESULT 198
A64736/c
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AX298828/c
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Best Local Similarity
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Sequence
AX298828
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Sequence 2 from Patent WO9729116.
A64736
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Bachmanov, A.A., Beauchamp, G.K., Chatterjee, A., de Jong, P.J., Li, S., Li, X., Ohmen, J.D., Reed, D.R., Ross, D. and Tordoff, M.G. Gene and sequence variation associated with sensing carbohydrate compounds and other sweeteners
Patent: WO 0183749-A 462 08-NOV-2001;
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              unidentified
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unclassified
                             unidentified
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                                                               A64736.1 GI:4530772
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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/mol_type="unassigned DNA"
/db_xref="taxon:10095"
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94.7%; Pred. No. 2.4e+02
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Pred. No. 2.4e+02;
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KEYWORDS
SOURCE
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AX298724
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AUTHORS
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AUTHORS
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JOURNAL
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ACCESSION
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A64739/c
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Best Local Similarity 94.7%;
Matches 18; Conservative
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Best Local 9
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Sequence 5 from Patent WO9729116.
A64739
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SULPHUR CONTAINING DINUCLEOTIDE PHOSPHORAMIDITES
PATENE: WO 9729116-A 2 14-AUG-1997;
CRUACHEM LTD (GB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REESE, C.B. and RAO,M.V.
SULPHUR CONTAINING DINUCLECTIDE PHOSPHORAMIDITES
PATENT: WO 9729116-A 5 14-AUG-1997;
CRUACHEM LTD (GB)
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                                                                  AGAGAGAGAGAGAGAGA 2
                                                                                                                      Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Pred. No. 2.5e+02;
0; Mismatches 1;
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A50109
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Baird, D.M., Royle, N.J. and Jeffreys, A.J.
METHOD FOR CHARACTERISING VARIABILITY IN
Patent: WO 9612821-A 13 02-MAY-1996;
ZENECA LTD (GB)
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Sequence 13 from Patent W09612821.
A50109
A50109.1 GI:2303270
                                                                                      Sequence 13 from patent AR152585
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
/db_xref="taxon:10095"
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94.7%; Pred. No. 2.6e+02;
rative 0; Mismatches 1;
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Sequence 19
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Torrence, P., Silverman, R., Maitra, R. and Lesiak, K.
Method of cleaving specific strands of RNA
Patent: US 5583032-A 19 10-DEC-1996;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Torrence, P.F., Silverman, R.H., Maitra, R.K. Chimeric molecules targeted to viral RNAs Patent: US 6271369-A 19 07-AUG-2001; Location/Qualifiers
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                                                                                                                                                                                                      Unknown.
Unclassified.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Other publication CA 2180032 950706
Other publication FI 962693 960628
Other publication NO 962707 960626
Other publication AV 138495 950717
Other publication FR 2714383 950630
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Sequence 16 from Patent W09518223.
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Torrence, P., Silverman, R., Maitra, R. ar Method of cleaving specific strands of
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169425
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                          AR116265.1
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/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
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Matches 19; Conservative
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Local Similarity 86.4%;
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Sequence 2 from Patent WO03042409.
AX767321
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Helene, C. and Giovannangeli, C.
Gene expression control
Patent: US 6133024-A 16 17-OCT-2000;
Location/Qualifiers
                                                                                                 Magnani, M., Graziano, F. and Ruzzo, A. Mutations of the germinal line in the gene promoter of e-caderine and diagnosis method to identify greater suceptibility to gastric
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AX058583
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                                                 Patent: WO 03042409-A 2 22-MAY-2003;
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               Location/Qualifiers
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/mol type="unassigned DNA"
/mb xref="taxon:32630"
/noce="Oligonucleotide"
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/mol_type="unassigned DNA"
organism="synthetic construct"
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from Patent WO0077250.
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Pred. No. 2.8e+02
0; Mismatches
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Pred. No. 2.8e+02;
0; Mismatches 3;
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AX927891/c
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Sequence 2717 from Patent
AX446262
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Sequence 21 from Patent WOO3084565.
AX927891
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synthetic construct
artificial sequences.
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0.3%; Score 17.2; DB 1; ilarity 86.4%; Pred. No. 2.9e+02; Conservative 0; Mismatches 3;
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                                                                            /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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                                                               /note="Computer Generated Probe Sequence."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      note="Description of Artificial Sequence: primer"
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AX817782
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Sequence 18 from Patent W002067861.
AX817782.1 GI:39722977
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artificial sequences.
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milarity 86.4%;
Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"

/db_xref="taxon:32630"
                                                                                                                              /note="Viral vector sequence"
                                                                                                                                                                                           Location/Qualifiers
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Matches 19; Conserv
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"AL Patent: WO 0148149-A 27 05-JUL-2001;

KYOWA HAKKO KOGYO CO LTD, AKIHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI OGAWA, KAZUHIRO SAKURADA
OS Artificial Sequence
PN WO 0148149-A/27
PD 05-JUL-2001
PP 28-FBE-2000 WO 2000JP001148
PR 28-DEC-1999 JP 99P 372826
PR 28-DEC-1999 JP 99P 372826
PR 28-DEC-1999 JP 99P 372826
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Adult bone marrow-origin
myocardial cell.
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Sequence 25 from Patent WO03101375.
AX961630
                                                                                                                                                                                                                OGAWA, KAZUHIRO SAKURADA
PC C12N5/06,C12N5/00,A61K35/28,A61P41/00,A61K48/00,C07K16/18
Description of Artificial Sequence: artificially synthesized
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synthetic construct
artificial sequences.
1 (bases 1 to 24)
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                         AAGAGAGAGAGAAATCAGAG 1206
                                                                                                                                                                            sequence
Key
                                                     Conservative
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                                                                                                                                                             Location/Qualifiers.
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                                                                                                       /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                0.3%;
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86.4%; Pred. No. 2.9e+02;
Live 0; Mismatches 3;
                                                   0,
                                                                Score 17.2; DB 1;
Pred. No. 2.9e+02;
                                                     Mismatches
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BD094760/c
LOCUS
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BD096302/c
LOCUS
DEFINITION
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Matches 19
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JOURNAL
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                                                                                                          AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 86.4%;
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                                                                                                                                                                                                                                                                                                                                                             19;
                                                                                                                                                 synthetic construct synthetic construct
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BD096302.1 GI:22641890
WO 0148151-A/27.
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synthetic construct
artificial sequences.
1 (bases 1 to 24)
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The cell having
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WO 0148150-A/27.
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                                                                                                                       artificial sequences.
1 (bases 1 to 24)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence
Key
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The cell having the potentiality of differentiation into Patent: WO 0148150-A 27 05-JUL-2001; RYOMA HAKKO KOGYO CO LTD, AKIHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI GOMA, KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA OS Artificial Sequence PN WO 0148150-A/27 PD 05-JUL-2001 WO 2000JP007741 PP 02-NOV-2000 WO 2000JP007741 PF 02-NOV-2000 WO 2000JP007741 PR 28-DEC-1999 JF 99P 372826, 28-FEB-2000 WO PCTJP0001448 PI AKKHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI OGAWA, PI KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA PC C12N5/06, C12N5/10, C12N15/09, A61K31/203, A61K35/28, A61K38/19, PC C12N5/06, C12N5/10, C12N15/09, A61K31/203, A61K35/28, A61K38/19, PC C12N5/06, C12N15/10, C12N15/09, A61K31/203, A61K35/28, A61K38/19, PC C12N15/09, C12N15/09, A61K31/203, A61K31/203, A61K35/28, A61K38/19, PC C12N15/09, A61K31/203, A61K31/2
Cells capable of differentiating into Patent: WO 0148151-A 27 05-JUL-2001; KYOWA HAKKO KOGYO CO LTD OS Artificial Sequence N WO 0148151-A/27 PD 05-JUL-2001 WO 2000JP009323
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Cells capable of differentiating
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Description of Artificial
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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the potentiality
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Pred. No. 2.9e+0
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                                                                                                                                                                                                                                                                                                                                                                                                Gojo, S.
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ORGANISM
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BD257668/c
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   Query Match
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Best Local Similarity
Matches 19; Conserv
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UTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

TILE Regulation of repressor genes using nucleic acid molecules Patent: JP 2002541795-A 5461 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC

OS Eukaryote
PN JP 2002541795-A/5461
PD 10-DEC-2002
PF 11-APR-2000
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                                                                                                                                                                                                                                                                                                                   PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC C12P21/02,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Regulation of repressor genes BD257668
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C12N5/06, C12N5/08, C12P21/08, C12Q1/02, A61K35/28, A61K35/44, A61P9/ PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PR 28-DEC-1999 JP 99P 372826,28-FEB-2000 WO PCTJP0001148 PR 02-NOV-2000 WO PCTJP0007741
PI AKHHIRO UMEZAMA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI OGAWA, PI KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA
                                                                                                                                                                                                                                                                                       PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02,
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                                                                                                                                                                                     Regulation of repressor genes using nucleic acid molecules Location/Qualifiers
0.3%; Score 17; DB 1; L
llarity 100.0%; Pred. No. 2.5e+02;
Conservative 0; Mismatches 0;
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Description of Artificial Sequence: artificially synthesized
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                                                                                                                                                                                                                                                        (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
                                                                                                                                 /organism='Eukaryote'
                                                                /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
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/db_xref="taxon:32630"
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86.4%; Pred. No. 2.9e+02.
vative 0; Mismatches
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     0; Indels
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Best Local Similarity
Matches 17; Conserv
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                                                                                                                                                                                                                                                Membrane-bound netrin
Patent: JP 2001327289-A 14 27-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH
OS Artificial Sequence
PN JP 2001327289-A/14
PD 27-NOV-2001 JP 20001307289-A/14
PD 19-MAY-2000 JP 200011007
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                                                                                                                                                                                                                                                                                                                                                     synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
Itohara, S., Nakashiba, T., Ikeda, T., Hajime, Tashiro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Telerman,A., Amson,R. and Tuijnder,M.
Sequences involved in phenomena of tumour
reversion, apoptosis and/or resistance to
thereof as medicaments
patent: WO 03023177-A 3660 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3660 from Patent AX738070
                                                                                SSSSEE
                                                                                                                                                                                                     PF 19-MAY-2000 JP 2000148843
PI SHIGEMI ITOHARA, TOSHIAKI NAKASHIBA, TOSHIO IKEDA, HAJIME PI
TASHIRO, TASUKU HONJO
PC C12N15/09, A01K67/027, C07K14/47, C07K16/18, C12N1/15, C12N1/19,
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JP 2001327289-A/14.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                                                                                              C12P21/08,
C12N15/00,C12N5/00,A61K37/02
C12N15/00,C12N5/00,A61K37/02
Isoform specific primer for PCR
Isoform specific primer for PCR
Isoform specific primer for PCR
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                                                                                                                                                                        C12N5/10, C12P21/02, C12Q1/68//A61K38/00, A61K39/395, A61P25/00
                                                            /organism='Artificial
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/mol_type="unassigned DNJ
/db_xref="taxon:9606"
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon;32630"
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SOURCE
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BD177127/c
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AR162405/c
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Query Match
Best Local Similarity
Matches 18; Conser
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Best Local Similarity
Matches 18; Conserv
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Best Local Similarity
Matches 17; Conser
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                                                                                                                                                                    artificial sequences.

1 (bases 1 to 20)

Kondo,S., Hoya,I. and Furusawa,I.

A stress-tolerant plant
Patent: JP 2002281979-A 10 02-OCT-2
TOYOTA MOTOR CORP
OS Artificial Sequence
PN JP 2002281979-A/10
PD 02-OCT-2002
PD 02-OCT-2002
PF 28-MAR-2001 JP 2001091994
PI SATOSHI KONDO,IZUMI HOYA,IWAO
PC C12N15/09,A01H5/00,C12N5/10,C1
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Sequence
AR162405
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synthetic construct
synthetic construct
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A stress-tolerant plant.
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Antisense modulation of caspase 8 expression
Patent: US 6258600-A 85 10-JUL-2001;
Location/Qualifiers
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28-MAR-2001 JP 2001091994
SATOSHI KONDO,IZUMI HOYA,IWAO FURUSAWA
C12N15/09,A01H5/00,C12N5/10,C12N9/08//(C12N9/08,C12R1:91),
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  Conservative
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                                                                                                                                               Synthetic DNA
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                                               /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                              /organism='Artificial Sequence'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="unassigned
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           90.0%;
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Score 16.8; DB 1;
Pred. No. 3e+02;
0; Mismatches 2;
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Mismatches
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3e+02;
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SOURCE
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AUTHORS
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ORGANISM
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DEFINITION
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                                                      RESULT 225
AR442550/c
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AR309228
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KEYWORDS
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AR305124
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KEYWORDS
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JOURNAL
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Matches 18; Conserv
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AR309228
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Sequence
AR305124
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        AR442550
Sequence 158 from patent
AR442550
AR442550.1 GI:42669807
                                                                                                                                                                                                                                                          1 (bases 1 to 20)
Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D.,
Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Metzker, M.L.,
Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.
LDL-receptor
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Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerl Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.
Receptor
                                                                                                                                                                                                                                                                                                                               Unknown
                                                                                                                                                                                                                                                                                                                                           Unknown.
                                                                                                                                                                                                                                                Patent: US 6555654-A 78 29-APR-2003;
                                                                                                                                                                                                                                                                                                                                                                   AR309228.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent: US 6545137-A 78 08-APR-2003;
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                                                                                                                                                                                              /organism="unknown"
/mol_type="genomic |
                                                                                                                                                                                                                                    Location/Qualifiers
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                                               PAT 20-FEB-2004
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RESULT 227
BD106035
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JOURNAL
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Best Local
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Best Local Similarity
Matches 18; Conserv
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|||| ||||||||| |||||||
20 CGTTTCCCACACCGCATCTC 1
                                                                                                                                                                                                                                                                                                        574 AAGGAGGAGCTGAAGGAGTT 593
                                                                                                                                                                                                                                                                                                                                                 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Grosse, W.M., Alsobrook, J.P., Lepley, D.M., Burgess, C.E., Mishra, V., Kekuda, R., Li,L., Padigaru, M., Shimkets, R.A., Zerhusen, B.D., Spytek, K.A., Edinger, S., Gerlach, V., Macdougall, J., Stone, D., Gunther, E. and Ellerman, K.

Proteins and nucleic acids encoding same
Patent: WO 0230974-A 72 18-APR-2002;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 20)

Kim, C.M., Park, H.K. and Jang, H.J.

Oligonucleotide for detection and identification of Mycobacteria

Patent: US 6670130-A 158 30-DEC-2003;

Location/Qualifiers
                                                                              JP 2002501376-A/50.
Chlamydia ep.
Chlamydia ep.
Bacteria, Chlamydiae; Chlamydialee; Chlamydiaceae; Chlamydia.
1 (bases 1 to 20)
Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D., Hamm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 72
AX527818
                                                                                                                                                                                   BD10603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          synthetic construct synthetic construct
                      Novel LDL-receptor
Patent: JP 2002501376-A 50 15-JAN-2002;
THB WELLCOME TRUST LTD AS TRUSTEE TO TH
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                                                                     and Hey, P.
                                                                                                                                                                        BD106035.1 GI:23200853
                                                                                                                                                                                                   Novel LDL-receptor.
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JP 2002501376-A/50
                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                                                                                                       /note="oligonucleotide primer"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     organism="unknown"
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Pred. No. 3e+02;
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Pred. No. 3e+02;
0; Mismatches
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                                                                                  Gerhold, D., Hammond, H.
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KEYWORDS
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E36783/c
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                                      Query Match
Best Local Similarity
Matches 18; Conserv
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PF 15-APR-1998 UP 1998543635

PF 15-APR-1997 US 60/043553,05-JUN-1997 US

JOHN ANDREW TODD, JOHN WILFRED HESS, CHARLES

THOMAS CASKEY, ROGER

PI DAVID GOX,

PI DAVID GERHOLD, HOLLY HAMMOND, PATRICIA HEY

PC C12N15/12, C12N15/11, C12Q1/68, C07K14/705, C0

PC A61K39/395,

PC A61K39/395,

PC A61K48/00

CC Strandedness: Single;

CC Topology: Linear;

CC Topology: Linear;

FH Key Linear;
          4932
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Patent: JP 1999253175-A 3 21-SEP-1999;
SMITHKLINE BEECHAM CORP
OS Unidentified
DN JP 1999253175-A/3
                                                                                                                                                                                                                                                            G01N33/50,G01N33/50,G01N33/566,G01N33/68//(C12N15/09,C12R1:46),
C12N15/00,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                unidentified
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E36783
E36783.1 GI:13022751
JP 1999253175-A/3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   unclassified.
1 (bases 1 to 21)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            unidentified
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GAACTTTGATGATGCCTTTG 4951
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nilarity 90.0%;
Conservative
                                                                                                                                                                                                                                                                                                      MAGUDARENA SARAKAIN,JAMES RAYMOND BURAUN C12N15/09,A61K31/00,A61K38/00,A61K39/395,G01N33/15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DAVID COX,
DAVID GERHOLD, HOLLY HAMMOND, PATRICIA HEY
C12N15/12,C12N15/11,C12Q1/68,C07K14/705,C07K16/28,A61K38/17,
A61K39/395,
                                                                                                                                                                                                                             Strandedness: Single;
                                       Conservative
                                                                                                                                                                                                               Topology: Linear
                                                                                                                                                                                                                                               A61K37/02, (C12N15/00, C12R1:46)
                                                                                                                                                                                                                                                                                                                                                 18-SEP-1998 JP 1998303154
18-SEP-1997 US 08/932978
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                                                                                                                                                    /organism='Unidentified'
                                                                                             /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Chlamydia sp.
/mol_type="genomic DNA"
/db_xref="taxon:35827"
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                                                  90.0%;
                                       0; Mismatches
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                                                  Score 16.8; DB 1
Pred. No. 3.1e+02
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GACCTTGGATGATGCCTTTG

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165307
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OS Artific
PN JP 2001
PD 20.00V-
PF 12-MAR-
PI BIICHI
PC C12N15/00,
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165307
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Steinman,L., Oksenberg,J. and Bernard, Gernman,L., Oksenberg,J. and Bernard, Gercell receptor varible transcripts as Patent: US 5667967-A 29 16-SEP-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                      synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 21)
                                                                                                                                                                                                                                                                                                                                                                                                                                       A method of arraying genome BD088657
                                                                                                                                                                                                                                                                                                                      A method of arraying genome clone
Patent: JP 2001321190-A 901 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH,
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                                                                                                                                                                                                                                                                                                                                                                                                                  JP 2001321190-A/901.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unknown
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                                     GGCTAATCTCAAACTCCTGG 3619
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                                                                 0.3%;
nilarity 90.0%;
Conservative
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C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566,
                                                                                                                                                                                                                                                                                    Artificial Sequence
JP 2001321190-A/901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 16.8; DB 1; larity 90.0%; Pred. No. 3.1e+02; Conservative 0; Mismatches 2;
                                                                                                                                                                                                       Description of Artificial Sequence: Synthetic
                                                                                                                                                                                                                     C12N15/00
                                                                                                                                                                                                                                                                 2-MAR-2001 JP 2001068285
                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                         /organism-'Artificial
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="unknown"
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Pred. No. 3.1e+02;
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KEYWORDS
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VERSION
KEYWORDS
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AR145806
LOCUS
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RESULT 23
AB069296
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                                                                                                                                                                                                                                                                                                    AR145806
Sequence 44
AR145806
AR145806.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          l Similarity
18; Conserv
                                                                                                                                                                 (bases 1 to 23)

Kuiper, M.T.R., Zabeau, M. and Vos, P.

Amplification of simple sequence repeats

Patent: US 6218119-A 44 17-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (04-AUG-2001) Akira Horii, Tohoku University Sch
Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, S
Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp,
Tel:81-22-717-8042, Fax:81-22-717-8047)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and Soeda,E.

A BAC-based STS-content map spanning a 35-Wb region of human chromosome 1p35-p36
Genomics 74 (1), 55-70 (2001)
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                                                                                                                                                                                                                                                      Unknown
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Horii,A.
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Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         synthetic
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                                                 Similarity
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sts-AA007533 obtained
BAC library RPCI-11"
                                                                                             /mol_type="unassigned DNA"
                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                  organism="unknown"
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                                           0.3%;
78.3%;
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Pred. No. 3.1e+02;
0; Mismatches 2;
                             Score 16.8; DB 1;
Pred. No. 3.3e+02;
0; Mismatches 5
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from clones
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es B326A10, B361M21,
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RESULT 234
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1 (bases 1 to 23)

Pelletier, J. and Das, M.
Oligonucleotide primer capable of making the Strand formation unstable strand formation unstable patent: JP 2002532063-A 8 02-OCT-2002; MCGILL UNIVERSITY
OS Artificial Sequence pN JP 2002532063-A/8
pD 02-OCT-2002
pF 06-OCT-1999 JP 2000574722
pR 07-OCT-1999 CA 2246623
pI JERRY PELLETIER, MANJULA DAS pC C1NN15/09, C1201/68, C12N15/09
CC N = 3-Nitropyrrole
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synthetic construct
strificial sequences.
1 (bases 1 to 23)
Pelletter, J. and Das, M.
Oligonucleotide primer capable of making the strand formation unstable
Patent: JP 200253063-A 10 02-OCT-2002;
MCGII
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Oligonucleotide primer capable of strand formation unstable.
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Oligonucleotide primer capable o
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JP 2002532063-A/10.
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                                                                                                                                        Artificial Sequence
JP 2002532063-A/10
02-OCT-2002
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06-OCT-1999 JP 2000574722
07-OCT-1998 CA 2246623
UTRY PELLETIER, MANUULA DAS
C12N15/09, C12Q1/68, C12N15/00
Description of Artificial Sequence: synthetic oligonucleotide
N = 3-Nitropyrrole
  06-OCT-1999 JP 2000574722
07-OCT-1998 CA 2246623
JERRY PELLETIER WANJULA DAS
C12N15/09,C1201/68,C12N15/00
Description of Artificial Sequence:
N - inosine
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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BD274420
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AX044437
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1 (bases 1 to 24)
2 (bases 1 to 24)
2 (bases 1 to 24)
2 (bases 1 to 24)
3 (bases 1 to 24)
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JP 2002542804-A/9
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C12N15/09,C12Q1/02,C12Q1/68,C12N15/00
C12N15/09 of Artificial Sequence: Pa
Rey
Location/Qualifiers
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JP 2002542804-A/9
17-DEC-2002
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28-APR-1999 GB 9909793.3
EDWARD DUNCAN BLAIR,LAURENCE HENRY ROBINSON,BARBARA WENDY
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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from Patent WO0066774.
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Pred. No. 3.3e+02;
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                                      Query Match
Best Local Sim
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TITLE
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Sequence 4 from patent US
AR178168
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Sequence 3 from patent US
AR178167
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                                                                                                                       Binding assay using binding agents with tail groups Patent: US 6316186-A 4 13-NOV-2001; Location/Qualifiers
                                                                                                                                                            1 (bases 1 to 18)
Ekins, R. Philip.
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Ekins, R. Philip.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unknown.
Unclassified.
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                                                                                                                                                                                                            Unknown.
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                                                                                                                                                                                     Unclassified.
                                                 Similarity
AGAGAAAGAGAGAGAGAG 1197
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ilarity 94.4%;
Conservative
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                                       Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                             organism="unknown"
                                                                                     /mol_type="unassigned DNA"
                                                                                                 organism="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="unassigned DNA"
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Pred. No. 3.2e+02;
0; Mismatches 1.
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Pred. No. 3.4e+02
0; Mismatches
                                      Score 16.4; DB 1;
Pred. No. 3.2e+02;
0; Mismatches 1;
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6316186.
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RESULT 240
E54448/c
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A65742
LOCUS
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AUTHORS
TITLE
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A65742
                                              l Similarity
17; Conserv
                                                                                                                                                                                                                                                                                            artificial sequences.

1 (bases 1 to 19)

Kondo, S., Hoya, I. and Furusawa, I.

Peroxidase originating in paraquat-tolerant callus

Patent: JP 2001099585-A 7 10-APR-2001;

TOYOTA MOTOR CORP
                                                                                                                                                                                                                                                                                                                                                                                               E54448
E54448.1 GI:22553
JP 2001095585-A/7.
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CANINE beta 2- AND beta 3-ADRENERGIC RECEPTORS AND Patent: WO 9735973-A 23 02-OCT-1997;
                                                                                                                                                                   synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                    E54448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Other publication FR 2746813 19971003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%;
Similarity 94.4%;
                      AGTATCGAGAGCAGCTGA 4558
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AGTTTCGAGAGCAGCTGA
                                                                                                                                                                                        10, C12N9/08//
C12Q1/68, C12N15/00, C12N5/00, C12N5/00
                                                                                                                                                                                                                30-SEP-1999 JP 1999279690
SATOSHI KONDO, IZUMI HOYA, IWAO FURUSAWA
C12N15/09,A01H5/00,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N5/
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                                                 Conservative
                                                                                                                                                                 Key
                                                                                                                                                                             Synthetic DNA
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23 from Patent WO9735973.
                                                                                                                                                Location/Qualifiers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="unidentified"
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/db_xref="taxon:32644"
                                                                                                /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                GI:22553514
                                                            0.3%;
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                                              Score 16.4; DB 1;
Pred. No. 3.4e+02;
0; Mismatches 1
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Pred. No. 3.4e+02;
0; Mismatches 1;
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JP 2002515246-A/40

PD 28-MAY-2002

PF 14-MAY-1999 US 60/085579,23-DEC-1998 US 60/113621 PI
JIAN CHEN, ELLEN FILVAROFF, AUDLEY GODDARD, AUSTIN L GURNEY, PI
HANZHONG LI,
PI WILLIAM I WOOD
PC C12N15/09, A61X38/21, A61K45/00, A61P19/00, C07K14/52, C07K16/24,
PC C07K19/00,
PC C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12P21/08, C12Q1/00 PC
C12Q1/68, C12N15/00
CC Strandedness: Single;
CC Topology: Linear;
CC Topology: Linear;
CC Topology: Linear;
CC II-17 homologous polypeptian
Locatian
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AUTHORS
TITLE
JOURNAL
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SOURCE
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AUTHORS
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I12665/c
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DEFINITION
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BD228445/c
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JOURNAL
Query Match 0.3%;
Best Local Similarity 94.4%;
Matches 17; Conservative
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Best Local Similarity
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I12665
                                                                                    1 (bases 1 to 20)
Okamoto,H. and Nakamura,T.
Oligonucleotides and determination system
Patent: US 5427909-A 75 27-JUN-1995;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chen.J., Filvaroff,E., Goddard,A., Gurney,A.L., Li,H. and Wood,W.I. IL-17 homologous polypeptide and its application to remedy Patent: JP 2002515246-A 40 28-MAY-2002;
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IL-17 homologous polypeptide
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2002515246-A/40.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified"
/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism='Unidentified'.
location/Qualifiers
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                                                                                                                                                                                                                     GI:910047
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Score 16.4; DB 1;
Pred. No. 3.5e+02;
0; Mismatches 1;
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REFERENCE
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AR359670/c
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AUTHORS
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AR208766/c
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Best Local Similarity 94.4%;
Matches 17; Conservative
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Sequence 65
AR208766
AR208766.1
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Sequence 40
AR359670
AR359670.1
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AR314310
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Griffals,R., Hoiseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynucleotides and of the control of the con
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Monia,B.P. and Freier,S.M.
Antieense inhibition of clusterin ex
Patent: US 6383808-A 65 07-MAY-2002;
                    Unknown
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/mol_type="genomic DNA"
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Pred. No. 3.5e+02;
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PF 28-JUL-2000 WO 2000JP005068

PR 29-JUL-1999 JP 99P 248036,27-AUG-1999 JP 99P 300253 PR
11-JAN-2000 JP 00P 118776,02-MAY-2000 US 60/183322 PI TOSHIO OTA,TAKAO ISCGAI,TETSUU NISHIKAMA,KOJI HAYASHI, PI KAORU SAITO, PI VUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU, PI KEIICHI NAGAI,TETSUJI OTSUKI,KOJI MURAKAMI,KAZUHIRO YANO, PI PI VOSHIHISA INOUE
PI CL12N15/12,COTK14/47,COTK16/18,C12P21/08
CC Description of Artificial Sequence: **
CC Sequence
FH KAOII KANZAKI,

ROJI KANZAKI,

SUMMARAMA SAIMARAMA SAIMAKAMATSU, PI CL12N15/12,COTK14/47,COTK16/18,C12P21/08
CC Description of Artificial Sequence: **
CC Sequence

KOJI KANZAKI

CC Sequence

KOJI KANZAWI

CC Sequence
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Ota, T., Isogai, T., Nishikawa, T., Hayashi, K., Saito, K., Yamamoto, J., Ishii, S., Sugiyama, T., Wakamatsu, A., Nagai, K., Otsuki, T., Mihi, S., Sugiyama, T., Wakamatsu, A., Nagai, K., Otsuki, T., Murakami, K., Yano, K., Kanzaki, K. and Inoue, Y.

A novel gene encoding TSP1-like protein
Patent: WO 0109321-A 17 08-PEB-2001;
HELIX RESEARCH INSTITUTE, TOSHIO OTA, TAKAO ISOGAI, TETSUO NISHIKAWA, KOJI HAYASHI, KAORU SAITO, JUNICHI YAMAMOTO, SHIZUKO ISHII, OMOYASU SUGIYAWA, AI WAKAWATSU, KEIICHI NAGAI, TETSUJI OTSUKI, KOJI MURAKAMI, AZUHIRO YANO, KOJI KANZAKI, YOSHIHISA INOUE
OS ARTIficial Sequence
PN WO 0109321-A/17
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Gatanaga,T. and Granger,G.A.
Tumor necrosis factor receptor releasing enzyme
Patent: US 6593456-A 40 15-JUL-2003;
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Best Local Similarity 94.4%;
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Best Local Similarity 85.0%;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Unclassified.

1 (bases 1 to
                          Unknown
                                      Unknown.
                                                                  AR030359.1
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/mol type="unassigned DNA"
/db xref="taxon:32630"
/note="Primer"
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/mol_type="unassigned DN/
/db_xref="taxon:9606"
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Pred. No. 3.7e+02;
0; Mismatches 1;
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Pred. No. 3.6e+02;
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AR050998/c
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Sequence 10 from patent US
AR050998
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Diagnostic methods for screening patients for scleroderma
Diagnostic methods 18 19-JAN-1999;
Patent: US 5861260-A 18 19-JAN-1999;
Location/Qualifiers
                                                                                                                                      Watson, M.A. and Fleming, T.P.
Watmaglobin, a mammary-specific breast
Patent: US 5968754-A 13 19-OCT-1999;
Location/Qualifiers
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Patent: US 5830646-A 10 03-NOV-1998;
Location/Qualifiers
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Sequence 13 from patent US
AR080294
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Tarin, D. and Matsumura, Y.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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85.7%; Pred. No. 3.96
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85.7%; Pred. No. 3.9e+02;
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AR084524/c
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AR084521
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AR093143/c
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AR084521
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1 (bases 1 to 21)
Bergan,R. and Neckers,L.
Inhibition of protein kinase activity by aptameric action oligonucleotides
Patent: US 5998596-A 12 07-DEC-1999;
Location/Qualifiers
1. .21
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Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 13 09-NOV-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 21)
Matson, R.S., Coassin, P.J., Rampal, J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 10 09-WOV-1999;
Location/Qualifiers
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Pred. No. 3.9e+02;
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RESULT 257
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Sequence 2 from patent US
AR153849
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Watson,M.A. and Fleming,T.P.
Method for detecting the presence of breast cancer by detecting increase in mammaglobin mRNA expression
Patent: US 6004756-A 13 21-DEC-1999;
Location/Qualifiers
                                                                                                                                                                                                                    1 (bases 1 to 21)
Heller, M.J., Tu, E., Evans, G.A. and Sosnowski, R.G.
Methods for transport in molecular biological analysis
  BD224108
                                                                                                                                                                                    Patent: US 6238624-A 2 29-MAY-2001;
Location/Qualifiers
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1 (bases 1 to 21)

S Watson, A. and Fleming, T.P.

Mammaglobin, breast cancer secretory protein specific to Patent: JP 2002525098-A 10 13-AUG-2002;

WASHINGTON UNIVERSITY
OS Artificial Sequence
PN JP 2002525098-A/10
PD 13-AUG-2002
PP 29-SEP-1999 UP 2000572241
PR 29-SEP-1999 US 09/162622
PI MARK A WATSON, TIMOTHY P FLEMING
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                                                                                                                                             18;
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Heller,M.J. and Tu,E.
Active programmable electronic devices for molecular biological analysis and diagnostics
Patent: US 5605662-A 2 25-FEB-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2 from pates
136166
136166.1 GI:2086679
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CC Descri
                                                                                                                                           h 0.3%;
Similarity 85.7%;
18; Conservative
              165744
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                                                                                                                                                                                                                                                                                                                                  Unclassified.
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llarity 85.7%;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                               /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 3.9e+02;
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Pred. No. 3.9e+02;
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Sequence 13

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RESULT 261
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1 (bases 1 to 21)
2 (bases 1
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Sequence
AR228207
                                                                                                               1 (bases 1 to 21)
Garner, H.R., Wren, J.D., Minna, J.D. and Polymorphic repeats in human genes Patent: US 6472154-A 119 29-OCT-2002;
Location/Qualifiers
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Watson,M.A. and Fleming,T.P.
Polynucleotides encoding mammaglobin,
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Location/Qualifiers
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larity 85.7%; Pred. No. 3.90
Conservative 0; Mismatches
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Sequence 13
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Sequence 57
AR307358
AR307358.1
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Sequence
AR298620
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Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 10355 25-MAR-2003;
Location/Qualifiers
                                                                                                                                                                                                                                1 (bases 1 to 21)
Lifton,R.P., Chang,S.S. and Rossier,B.C.
Method to diagnose and treat pathological conditions resulting deficient ion transport such as pseudohypoaldosteronism type-1 Patent: US 6551775-A 57 22-APR-2003;
                                                                                                                                                                                                                                                                                        Unknown.
Unclassified.
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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AX104720/c
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AR452591/c
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Watson,M.A. and Fleming,T.P.
Watson,M.A. secreted mammary-specific breast cancer protein
Mammaglobin, a secreted mammary-specific breast cancer protein
Patent: US 6677428-A 13 13-JAN-2004;
Location/Qualifiers
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Watson, M.A. and Fleming, T.P.
Watson, M.A. and Fleming, T.P.
Mammaglobin, a secreted mammary-specific breast cancer protein
Patent: US 6566072-A 13 20-MAY-2003;
Location/Qualifiers
                                                                                                                     Krieg,A.M., Schetter,C. and Vollmer,J.C. Immunostimulatory nucleic acids Patent: WO 0122972-A 912 05-APR-2001; UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
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                                     /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
                                                                                          Location/Qualifiers
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/mol_type="mRNA"
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Sequence 13 from Patent W00123548.
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Sequence 12 from Patent WO0123548.
AXI08449
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Patent: WO 0123548-A 13 05-APR-2001;
                                                                                                                                                                                                                                                                                                                  synthetic construct
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Patent: WO 0123548-A 12 05-APR-2001;
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/db_xref="taxon:32630"
/note="primer"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Methods and compositions for predicting Patent: WO 0210452-A 17 07-FEB-2002; University of Rochester (US) Location/Qualifiers
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Sequence 912 from Patent
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Sequence 17 from Patent
AX384817
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Bratzler, R.L. Inhibition of angiogenesis by nucleic acids
                                                      synthetic construct synthetic construct
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Methods for enhancing antibody-induced cell lysis
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/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
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AX825131/c
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Best Local Similarity
Matches 18; Conserv
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Sequence 4 from Patent WO03072818.
AX825106
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synthetic construct
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Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
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                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/mol_type="unassigned DNA"
/mol kype="caxon.32630"
/noTe="Synthetic Sequence"
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/mod_base=OTHER
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0; Mismatches 3
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AX825151/c
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Sequence 49 from Patent WO03072818.
AX825151
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AX825131
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                                                                                                                              Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucleic acids Patent: WO 03072818-A 49 04-SEP-2003; Degussa Bioactives GmbH (DE)
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                           "mol_type="unassigned DNA"
   /db_xref="taxon:32630"
   /note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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/mol_type="unassigned DNA"
/mol_tyse="taxon:32630"
/mole="Beschreibung der kuenstlichen
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/bound_moiety="Biotin"
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AX825158/c
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                                                                                                                                                                                                                                                                                                                                                /organism="synthetic construct"
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/nb.te="Beschreibung der kuenstlichen
                                        /note="LNA-T (Locked Nucleic Acid)
/mod_base=OTHER
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 Score 16.2; DB 1;
Pred. No. 3.9e+02;
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Sequence 61 from Patent W003072818.
AX825163
                                                                                                                                AX825166 21 bp
Sequence 64 from Patent WO03072818
AX825166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucleic Patent: WO 03072818-A 61 04-SEP-2003; Degussa Bioactives GmbH (DE)
Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucleic Patent: WO 03072818-A 64 04-SEP-2003;
                                                         synthetic construct
synthetic construct
artificial sequences
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                                                                                                                     AX825166.1
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                                                                                                                                                                                                                                                                                                                                                           /note="LNA-T (Locked Nucleic Acid)"
/mod_base=OTHEP
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                                                                                                                                                                                                                                                                                                                                                                                                     /note="LNA-T (Locked /mod_base=OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="synthetic construct"
/mol_type="unassigned DNA"
/mb xref="taxon:32630"
/noTe="Beschreibung der kuenstlichen
                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="INA-T (Locked Nucleic Acid)"
/mod_base=OTHER
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/mod_base=OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         note="LNA-T (Locked Nucleic Acid)"
mod_base=OTHER
                                                          sequences.
                                                                                                                     GI:39750895
                                                                                                                                                                                                                                                                                              0.3%; Score 16.2; DB 1; Length 85.7%; Pred. No. 3.9e+02; ative 0; Mismatches 3; Indels
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AUTHORS
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BD070802
LOCUS
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ORGANISM
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                                                                                                                                                                       TITLE (bases 1 to 21)

AUTHORS Lifton,R.P., Chang,S.S. and Rossier,B.C.

Method to diagnose and treat pathological conditions resulting from deficient ion transport such as Pseudohypoaldosteronism type-1

TOURNAL Patent: JP 2001514521-A 41 11-SEP-2001;

YALE UNIVERSITY
OS Unidentified PN JP 2001514521-A/41
PN JP 2001514521-A/41
PP 11-MAR-100-
PR 11-MAR-100-
PR 11-MAR-100-
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Best Local Similarity
Matches 18; Conserv
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                                                                                                                                           PF 11-MAR-1998 JP 1998539716
PR 11-MAR-1997 US 60/040171
PI RICHARD P LIFTON, SUE S CHANG, BERNARD C ROSSIER C1201/68, C07K16/18, C12N15/12, C12N5/10, C07K14/47 CC Single;
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                                                                                                                    Topology: Linear;
/desc = 'primer'
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                                                       /organism='Unidentified'
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Sequenz:Capture-Oligonukleotid"
/organism="unidentified"
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/db_xref="taxon:32644"
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%;
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Pred. No. 3.9e+02;
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nism type-1.
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TITLE
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BD080832/c
LOCUS
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AUTHORS
TITLE
JOURNAL
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KEYWORDS
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ACCESSION
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BD080504
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Matches 18; Conserv
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Best Local Similarity
                                                                        JOURNAL
                                                                                                                              ORGANISM
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UTHORS Watson,M.A. and Fleming,T.P.

WANAL Patent: JP 2001516569-A/10
PD 02-OCT-2001
PF 18-SEP-1
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Patent: JP 2001514864-A 5 18-SEP-2001;
CURAGEN CORP
OS Artificial Sequence
PN JP 2001514864-A/5
PD 18-SEP-2001
PF 20-AUG-1998 JP 2000509271
PR 21-AUG-1997 US 08/916043
PI RICHARD A SHIMKETS
PC C12N15/09,A01K67/00,A61K38/22,A61P9/10,C07K14
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Mammaglobin, a secreted
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1 (bases 1 to 21)
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Description of Artificial Sequence:
Location/Qualifiers
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21-AUG-1997 US 08/916043
RICHARD A SHIMKETS
C12N15/09,A01K67/00,A61K38/22,A61P9/10,C07K14/58,G01N33/15,
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                         /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 3.
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.9e+02;
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RESULT 281
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VERSION
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ORGANISM
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Query Match
Best Local S
Matches 18
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Best Local S
Matches 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUTHORS
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                                                                                                                                                                                                                                                     Patent: JP 2001525193-A 2 11-DEC-2001;
NANOGEN INC
OS Artificial Sequence
PN JP 2001525193-A/2
PD 11-DEC-2001
PF 01-DEC-2001
PF 01-DEC-1998 JP 2000524303
PF 01-DEC-1998 JP 2000524303
PR 05-DEC-1997 US 08/986065
PI RONALD G SOSNOWSKI, WILLIAM F BUTLER,
NERENBERG,
PI RONALD G SOSNOWSKI, WILLIAM F BUTLER,
OCC C1201/68, C12N15/09, C12N15/00
CC C1201/68, C12N15/09, C12N15/00
CC Description of Artificial Sequence:
CC Description of Artificial Sequence:
CC provide ribonucleic acid base for re
CC provide ribonucleic acid base for re
CC secondary structure
PH Key
PT SOURCE

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1 (bases 1 to 21)
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Topology: Linear;
Mammaglobin, a secreted mammary specific breast
Mammaglobin, bocation/Qualifiers
Key
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C12Q1/68, C12N15/09, C12N15/00
Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                                                                                        provide ribonucleic acid base for reactivity; Poly A sequence
    for reduced
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C12N15/09, A61K35/26, A61K39/00, A61K39/00, A61K39/395, A61K39/395,
A61P35/00,
C07K14/47, C12N15/00
     Conservative
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                                                                                                             /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Pred. No. 3.9e+02
     Score 16.2; D
Pred. No. 3.9e
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I36998
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1 (bases 1 to 22)
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Draper K.G., Pavco,P., McSwiggen,J.,
Stinchcomb,D.T.
StromeLysin targeted ribozymes
Patent: US 5612215-A 11 18-MAR-1997;
                                                                                                                                                                                                                                                                                     Unclassified.
1 (bases 1 to 22)
Draper, K.G., Pavco, P., McSwiggen, J., Gustofson, J.
Stinchcomb, D.T.
                                 Unknown.
                                                    AR198497.1
                                                               Sequence 5 from AR198497
                                                                                   AR198497
                                                                                                                                                                                                                                                                 Method of reducing stromelysin RNA via ribozymes Patent: US 5731295-A 11 24-MAR-1998;
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/mol_type="unassign
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Best Local Similarity 85.7%;
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AX815844
AX815844.1
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                                            Nagaraju,J.G.
Nayaraju,J.G.
Novel fissr-per primers and method of identifying genotyping diverse genomes of plant and animal systems including rice varieties, a kit thereof
Patent: WO 03085133-A 6 16-OCT-2003;
Centre for DNA Fingerprinting and Diagnostics, Centre for; the Department of Biotechnology, Ministry of Science & Technology Department of Science (Technology), 1, 22
                                                                                                                                                                                                                                                                                  22 bp
Sequence 6 from Patent WO03085133.
AX926723
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Sus scrofa
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Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:9823"
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from Patent WO03066891.
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KEYWORDS
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ORGANISM
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AR256325/c
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ACCESSION
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CQ788046/c
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 Query Match
Best Local S
Matches 18
                                                                                    FEATURES
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Best Local Similarity
Matches 18; Conserv
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Best Local Similarity 85.7%;
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                                                                 Unclassified.

1 (bases 1 to 23)

1 (bases 1, to 23)

Baetecher, M.W., Akiyoshi, D.E. and Kaplan, R.A.

Porcine Oct-4 promoter

Patent: US 6482937-A 31 19-NOV-2002;

Location/Qualifiers
                                                                                                                                                                                                          AR256325
Sequence 31
AR256325
                                                                                                                                                                                                                                                                                               22
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Patent: WO 2004020664-A 352 11-MAR-2004;
Universitaet Hohenheim (DE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CQ788046
Sequence 352 from Patent
CQ788046
                                                                                                                                                           Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Geldermann, H., Preuss, S. and Han, Y. Polymorphous microsatellite loci in genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (human)
                                                                                                                                                                        Unknown.
                                                                                                                                                                                              AR256325.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; |
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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             Similarity
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0.3%; Score 16.2; DB 1; larity 78.3%; Pred. No. 4.1e+02; Conservative 1; Mismatches 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="A novel FISSR-PCR primer for genotyping
                                             /organism="unknown"
/mol_type="genomic
                                                                                                                                                                                                                                                                                                                                                                                                                  note="Anzahl der Wiederholungen: 2"
                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="Anzahl der Wiederholungen:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="M11, Allel A (PrP-Gen)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     organism="Homo sapiens"
|mol_type="unassigned DNA"
                                                                                                                                                                                                                     from
                                                                                                                                                                                              GI:27305826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                      0.3%; Score 16.2; DB 1; Length 23; 85.7%; Pred. No. 4.1e+02;
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Pred. No. 4e
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WO2004020664.
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S 6482937.
                                                 DNA"
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                        DB 1; Length 23;
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BD078732/c
LOCUS
DEFINITION
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VERSION
KEYWORDS
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ORGANISM
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KEYWORDS
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ACCESSION
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AX003445
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Best Local S
Matches 18
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TITLE
JOURNAL
                                                                                                                                                                                                                                                                       TITLE
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AX003445
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BD078732
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                                                                                                                                                           PR PR PI
                                                                                                                                                                                                                                                                                                                                synthetic construct
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JP 2001269188-A/12.
                                                                                                                                                                                                                                                                                                                                           synthetic construct
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                                                                                                                                                                                                                                                                                                      artificial sequences.

1 (bases 1 to 23)
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Similarity 85.7%;
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                                                                                                                                                                                                       Artificial Sequence
JP 2001269188-A/12
02-OCT-2001
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5400 TACAAAAAAGAAAAATGAAA 5420
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                                                                                                                                                                                                                                                                                                                                                                                                                        Sobek, H., Frey, B., Antranikian, G., Boehlke, K., Pisani, F.M. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Erythrovirus and its applications patent: WO 9928439-A 25 10-UUN-1999; ASSIST FUBL HOPITAUX DE PARIS (FR); CHENON ANTOINE (FR); NGUYEN QUANG TR
                                                                                                                                                                                                                                                                                                                                                                    B type DNA polymerase mutant with improved Patent: JP 2001269188-A 12 02-OCT-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Viruses; ssDNA viruses; Parvoviridae; Parvovirinae; Erythrovirus.
                                                                                                                                               C12N15/00, C12N5/00
Description of Artificial
                                                                                                                                                                                                                                                             06-MAR-2001 JP 2001061781
11-MAR-2000 BP 00105155.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA polymerase mutant
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/mol_type="unassigned
/db_xref="taxon:10798"
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                    /organism='Artificial Sequence'
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from Patent WO9928439.
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Pred. No. 4.1e+02;
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REFERENCE
AUTHORS
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AUTHORS
TITLE
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SOURCE
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ACCESSION
VERSION
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A35651/c
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Best Local Similarity
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CE 1 (bases 1 to 23)

CB 1 (bases 1 to 23)

RS Mguyen,Q.T., Garbarg,C.A. and Auguste,V.

RS Mguyen,Q.T., Garbarg,C.A. and Auguste,V.

RS Stythrovirus and application thereof

Patent: JP 2001525163-A 25 11-DEC-2001;

ASSISTANCE PUBLIQUE HOPITAUX DE PARIS

OS Erythrovirus

PN JP 2001525163-A/25

PN JP 2001525163-A/25

PN JP 2001525163-A/25

PN JP 2001525163-A/25

PO 11-DEC-2001

PP 03-DEC-1998 JP 2000523317

PR 03-DEC-1998 JP 2000523317

PR 03-DEC-1997 PR 97/15197

PR 03-DEC-199
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                                                                                          synthetic construct

synthetic construct

artificial sequences.

1 (bases 1 to 16)

Camble,R. and Edge,M.D.

Analogous interferon polypeptides, process fo and pharmaceutical compositions containing th Patent: EP 0194006-A 96 10-SEP-1986;

IMPERIAL CHEMICAL INDUSTRIES PLC
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A35651
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nilarity 85.7%;
Conservative
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/mol_type="genomic DNA"
/db_xref="taxon:40121"
organism="synthetic construct"
|mol_type="unassigned DNA"
                                                                     ocation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                 GI:1927033
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Pred. No. 4.1e+02;
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acic
Patent: JP 2002541795-A 5460 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC

SEUKARYOTE
PN JP 2002541795-A/5460

PN JP 2002541795-A/5460

PD 10-DEC-2002

PP 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI 11-APR-1999 US 60/129390

PI 11-APR-1999 US 60/129390
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Synthetic
A35684
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1 (bases 1 to 16)
Camble, R. and Edge, M.D.
Canble, R. and Edge, M.D.
Analogous interferon polypeptides, process and pharmaceutical compositions containing Patent: EP 0194006-A 129 10-SEP-1986; IMPERIAL CHEMICAL INDUSTRIES PLC
                                                                                                                                                                    OS EURATYOTE
PN JP 2002541795-A/5460
PD 10-DEC-2002
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PF 11-APR-1999 US 60/1123390
PR 12-APR-1999 US 60/1123390
PR 12-APR-17, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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JP 2002541795-A/5460.
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(C12N5/00,C12R1:91)
(C12N5/00,C12R1:91)
Regulation of repressor genes using
Regulation/Qualifiers
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Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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AX599476/c
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Best Local Similarity
Matches 16; Conserv
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TITLE Regulation of repressor genes using nucleic acid molecules Patent: JP 2002541795-A 5462 10-DEC-2002;

ENT OS ENKARYOTE PHARMACEUTICALS INC

ENT OS ENKARYOTE
PN JP 2002541795-A/5462
PD 10-DEC-2002
PF 11-APR-2000 JP 2000
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PN JP 2002541795-A/5462

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PF 12-APR-1999 US 60/129390

PR 12-APR-1999 US 60/129390

PR 12-APR-1999 US 60/129390

PR 12-APR-1999 US 60/129390

PR 12-APR-1999 US 60/129390

PC C12P1/02, MCHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC C12P1/02, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC C12P21/02, C12P1/02/A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC C12P21/02, C12P1), (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00, PC A61K37/02, C12R1:91)

PC (C12N5/00, C12R1:91)

CC Regulation of repressor genes using nucleic acid molecules FH Key Source 1.17

FT Source / Organism='Eukaryote'.
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                                                                      816 from Patent
                                                                                                                                                                                                                                                                /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Location/Qualifiers
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Query Match
Best Local Similarity
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Best Local Similarity
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                                                         Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                              Sequence 63 from Patent
AX153965
AX153965.1 GI:14535579
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Homo sapiens
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Methods and nucleic acids for the analysis of hematopoietic cell proliferative disorders
proliferative disorders
Patent: WO 02077272-A 816 03-OCT-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Single nucleotide polymorphisms in genes patent: WO 0118250-A 83 15-MAR-2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium Pharmaceuticals, Inc. (US)
Human single nucleotide polymorphisms
                   Cargill, M., Ireland, J.S. and Lander, E.S.
                                                                                                                       Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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                                                                                                                                                                                                                                                                                                                                                              AGTTCCTGAAGAAGGAGG
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83 from Patent WO0118250.
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/mol_type="unassigned DN/
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocation/Qualifiers
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                                                                                                                       (human)
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Pred. No. 4.1e+02;
1; Mismatches 1
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WO0138576.
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Matches 17
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source
                   artificial sequences.

AL PRINCIPLE STATEMENT OF AUJESZKI DISEASE VIRUS

AL PATENT: UP 193276998-A 5 26-OCT-1993;

NIPPON FLOUR MILLS CO LTD, NATL FEDELATION OF AGRICULT COOP ASSOC OS Artificial sequence; Genes.

PN JP 193276998-A/5

PN JP 193276998-A/5

PD 26-OCT-1993

PF 01-APR-1992 JP 1992079881

PF URUNO KATSUYOSHI, NUNOFUJI SATOSHI, TSUNA MIKA, MISE SHIZUO, PI SHIBATA ISAO

PC C1201/68, CO7121/04, C12N15/11, C12Q1/70, (C12Q1/70, C12R1:92); CC topology: Linear.

CC topology: Linear.
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Sequence
AR074778
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Patent: US 5955276-A 75 21-8EP-1999;
Location/Qualifiers
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Morgante,M. and Vogel,J.Marie.
Compound microsatellite primer
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WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
Location/Qualifiers
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synthetic construct
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ilarity 89.5%;
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/db_xref="taxon:9606"
            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="unknown"
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Pred. No. 4.1e+02;
1; Mismatches 1
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Pred. No. 4.
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AR088462
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RESULT 303
AR117573
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Best Local Similarity 89.5%;
Matches 17; Conservative
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AR088462
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Dijkhuizen,L., Dijkstra,B.W., Andersen,C. and Dijkhuizen,L., Dijkstra,B.W., Andersen,C. and Cyclomaltodextrin glucanotransferase variants Patent: US 6004790-A 44 21-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Teng, D.H.-F., Tavtigian, S.V., Perry, W.L. III Specific mutations of map kinase 4 (MKK4) in identify it as a tumor suppressor in various Patent: US 5989885-A 48 23-NOV-1999;
                                                                                                                                                                                                                                                                                            Unknown
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                      /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 4.3e+(
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Pred. No. 4.2e+0
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    PAT 16-MAY-2001
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AR117754
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Best Local Similarity
Matches 17; Conserv
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A method of arraying genome clone
Patent: WO 02072815-A 224 19-SEP-2002;
EIICHI SOEDA, TAKESHI KUKITA
OS Artificial Sequence
PN WO 02072815-A/224
PD 19-SEP-2002
PF 17-MAY-2001 WO 2001JP004139
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Bennett, C.Frank. and Cowsert, L.M.
Antisense modulation of Y-box binding protein 1 expression
Patent: US 6140126-A 62 31-OCT-2000;
Location/Qualifiers
                                                                                          synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
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WO 02072815-A/224.
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AR117754
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Monia, B.P., Gaarde, W.A., Nero, P.S. and McKay, R.
Antisense modulation of P38 mitogen activated p
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Location/Qualifiers
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Pred. No. 4.3e+02;
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Pred. No. 4.3e+02;
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artificial sequences.

E 1 (bases 1 to 20)

Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.

S Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.

Antisense modulation of expression of tumor necrosis factor receptor-associated factor (TRAP)

L Patent: JP 2002526095-A 62 20-AUG-2002;

ISIS PHARMACEUTICALS INC

OS Artificial Sequence
PN JP 2002526095-A/62

PD 20-AUG-2002

PD 20-AUG-2002

PD 05-OCT-1998 US 09/167109

PR 06-OCT-1998 US 09/167109
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BD244919
Modulation of gene expres
BD244919
BD244919.1 GI:33054689
JP 2002528391-A/47
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JP 2002526095-A/62.
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llarity 89.5%;
Conservative
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C12N15/09,C12Q1/68
Description of Artificial Sequence: Synthetic DNA
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Location/Qualifiers
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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LITICIAL SEQUENCES.

1 (bases 1 to 20)

1 (bases 1 to 20)

Besterman, J.M., Macleod, A.R. and Siders, W.M.

TITLE Modulation of gene expression by combination the.

MOURNAL METHYLGENE INC

OS Artificial Sequence
PD 03-SEP-2002
PF 19-OCT-1999
PR 19-OCT-1999
PR 19-OCT-1999
PR 19-OCT-
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1 (bases 1 to 20)

2 (bases 1 to 20)

Antisense modulation of p38 mitogen activated protein kinase Patent: JP 2002540781-A 61 03-DEC-2002;

1 ISIS PHARMACEUTICALS INC

OS Artificial Sequence

PN JP 2002540781-A/61
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PC
A61K31/7068,A61K31/7088,A61K31/7125,A61K45/00,A61P35/00,C12N15/ PC
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Antisense modulation of p38 mitogen
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PR 19-OCT-1998 US 60/104804
PI JEFFREX M BESTERMAN, ALAN ROBERT MACLEOD, WILLIAM M SIDERS
A61K48/00, A61K31/165, A61K31/19, A61K31/513, A61K31/517, A61K31/ F
                                                                                                                                                                                                                                                                                                                                                                                  synthetic construct
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06-APR-1999 US 09/286904
ERSTT P MONIA,WILLIAM A GAARDE,PAMELA S NERO,ROBERT MCKAY,IAN
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Antisense modulation of p38 mitogen
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/mol_type="genomic DNA"
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/organism="synthetic construct"
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REFERENCE AUTHORS TITLE REFERENCE AUTHORS TITLE JOURNAL SOURCE ORGANISM DEFINITION ACCESSION VERSION KEYWORDS RESULT 309 CQ764305/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM RESULT 310 CQ764770/c LOCUS S δ 멹 밁 片 ş FEATURES FEATURES Query Match Best Local S Matches 17 Query Match Best Local Similarity Matches 17; Conserv Matches JOURNAL Query Match Best Local Similarity source 1607 2639 1607 20 19 synthetic construct synthetic construct artificial sequences. CQ764770 Sequence 3388 from Patent CQ764770 CQ764770.1 GI:44908006 CQ764305 Sequence 2923 from Pater CQ764305 CQ764305.1 GI:44907541 Antisense modulation of 1rh1 expression Patent: WO 2004003201-A 3388 08-JAN-2004; Pharmacia Corporation (US) Location/Qualifiers Kane, C.D. Antisense modulation of 1rh1 Patent: WO 2004003201-A 2923 Pharmacia Corporation (US) synthetic construct synthetic construct Kane, C.D. Similarity 89.5 17; Conservative artificial sequences. AGCATGTCTTCTACTTCAG 1625 CCCTGCAGCTGCTGCTGCA 2657 AGCATGTCTTCTACTTCAG 1625 CCCTGCAGCCGCTGCGGCA 19 Conservative Conservative 2923 from Patent /organism="synthetic construct" /mol_type="unassigned DNA" /db_xref="taxon:32630" organism="synthetic construct" /mol_type="unassigned DNA" /db_xref="taxon:32630" /note="Human LRH1 antisense" Location/Qualifiers /db_xref="taxon:32630" note="Human LRH1 antisense" 0.3%; Score 15.8; DB 1; 89.5%; Pred. No. 4.3e+02; 0.3%; 89.5%; 0 0; <u>,</u> Score 15.8; DB 1; Pred. No. 4.3e+02; 0; Mismatches 2; Score 15.8; DB 1; Pred. No. 4.3e+02; N Mismatches Mismatches 20 bp DNA WO2004003201 20 bp DNA WO2004003201. expression 08-JAN-2004; Length Length Length 20; Indels linear 20, PAT PAT 03-MAR-2004 0 0 0; Gaps Gaps Gaps 0 0 0

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1811 GGAGCCAGCCACAGCCGGC 1829
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CC topology: Linear;
CC hypothetical: No;
CC anti-sense: Yes;
FH Key Loc
FH Source 1.
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Sequence
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Nakao, I., Ogawa, Y. and Fujisawa, Y.
RAT OBESITY GENE, ITS GENE PRODUCT AND ITS PRODUCTION
Patent: JP 1996333394-A 9 17-DEC-1996;
TAKEDA CHEM IND LTD
                                                                                                   1 (bases 1 to 20)
Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
Patent: US 6399297-A 62 04-JUN-2002;
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JP 1996333394-A/9.
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                                                                                                                                                          Unclassified.
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                                                                                                                                                                                                                                                                                                                              Conservative
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                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        None
                                                                                                                                                                                                                       62 from patent US
                                                                                                                                                                                                                                                                                                                                                                   /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                            /organism='Artificial sequences'
                                                             /organism="unknown"
/mol_type="unassigned DNA"
                                                                                             Location/Qualifiers
                                                                                                                                                                                                    GI:21514395
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Pred. No. 4.3e+02;
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                    Score 15.8; DB 1;
Pred. No. 4.3e+02;
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AR366676
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AR228858
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AX053082
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y Match 0.3%;
Local Similarity 89.5%;
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Sequence
AR228858
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Patent: US 6448079-A 65 10-SEP-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 20)
Bennett,C.F. and Wyatt,J.
Antisense modulation of glioma-associated oncogene-1 expression
Patent: US 6329203-A 38 11-DEC-2001;
Location/Qualifiers
                                     synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                  Unknown
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AR366676
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1 (bases 1 to 20)

Monia,B.P., Gaarde,W.A., Nero,P. and McKay,R.
Antisense modulation of p38 mitogen activated
                                                                             AX053082.1 GI:12227139
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Macleod, A.R., Li, Z. and
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Similarity 89.5%;
                         artificial sequences.
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/mol_type="genomic DNA"
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from Patent WO0071703
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                                                                    Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of sequence differences using ligase detection reaction patent: WO 0179548-A 5345 25-OCT-2001; CORNELL RESEARCH FOUNDATION, INC. (US)
                                                                                                                                                          synthetic construct
synthetic construct
artificial sequences.
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Sequence 5345 from Patent
AX293583
AX293583.1 GI:17055266
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/nobe="Description of Combined DNA/RNA Molecule: Positions 1-4 and 17-20 are 2'-methoxyribose substituted nucleotides; positions 5-16 are deoxyribonucleotides"
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                 Homo sapiens (human)
Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, I
Mammalia, Butheria, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of nucleic sequence differences using ligase detection reaction Patent: WO 0179548-A 6717 25-OCT-2001; CORNELL RESEARCH FOUNDATION, INC. (US)
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Sequence 6717 from Pater
AX294955
AX294955.1 GI:17056638
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Sequence 1687 from Patent
AX495922
AX495922.1 GI:23341532
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Similarity 89.5%;
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/mol_type="unassigned DN/
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon;32630"
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                                            Score 15.8; DB 1;
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Mismatches 3;
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                                                                                                                                                                                                                                                                       Besterman, J.M., Macleod, A.R. and Siders, W.M. Modulation of gene expression by combination therapy Patent: EP 1243289-A 51 25-SEP-2002; Methylgene, Inc. (CA)
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/db_xref="taxon;32630"
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Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                 Immunostimulatory oligonucleotides and uses thereof
Patent: WO 03101375-A 72 11-DEC-2003;
IMMUNOTECH S.A. (AR)
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/mol_type="unassigned DN
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Orr,H.T., Ranum,L.P.W., Chung,M.-y. and Zoghbi,H.Y.
Gene sequence for spinocerebellar ataxia type 1 and
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Sequence 66 from patent
AR053160
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           US 5834183-A 66 10-NOV-1998;
                                                                                                                                                                                                                                                                                                                          /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                           /organism='Artificial
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
Location/Qualifiers
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                                                                                                                           GI:5978022
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Pred. No. 4.3e+02;
0; Mismatches 2
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Pred. No. 4.3e+02;
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Sequence 28
AR084539
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AR084571
Sequence 60 from
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Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 40 09-NOV-1999;
                                                                                                                                                                                                                                                                                    AR084551 2
Sequence 40 from patent US
AR084551
AR084551.1 GI:10011322
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Matson, R.S., Coassin, P.J., Rampal, J.
Oligonucleortide repeat arrays
Patent: US 5981185-A 28 09-NOV-1999;
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Similarity 89.5%;
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/mol_type="unassigned DNA"
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/mol_type="unassigned
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patent US 5981185.
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Pred. No. 4.4e+02;
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Pred. No. 4.4e+02;
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AR084580
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AR084577
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Matson, R.S., Coassin, P.J., Rampal, J.
Oligonucleotide repeat arrays
Patent: US 5981185-A 66 09-NOV-1999;
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Matson,R.S., Coassin,P.J., Rampal,J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 60 09-NOV-1999;
                                                                                1 (bases 1 to 21)
Matson,R.S., Coassin,P.J., Rampal,J.
Oligonucleotide repeat arrays
Patent: US 5981185-A 69 09-NOV-1999;
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                               /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 4.4e+02;
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AR084598
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                                                                                                                                                                                                                                                                                                                 synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 21)
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BD244490.1 GI:33054260
JP 2002511384-A/8.
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Matson, R.S., Coassin, P.J., Rampal, J.B.
Oligonucleotide repeat arrays
Patent: US 5981185-A 87 09-NOV-1999;
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CC This oligo
                                                                                                                                                                                 Unknown
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Description of Artificial Sequence: Triplex forming CC
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19-OCT-1998 JP 2000516982
21-OCT-1997 CN 97 1 06667.1
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                                                                                        /organism='Artificial
Location/Qualifiers
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                                               /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
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Singh,N.A., Leppert,M.F. and Charlier,C.
KCNQ2, and KCNQ3-potassium channel genes which are mutated in benign familial neonatal convulsions (BFNC) and other epilepsies
Patent: US 6413719-A 45 02-JUL-2002;
Location/Qualifiers
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AR454921
Sequence 8 from patent US
AR454921
AR454921.1 GI:42688957
                                                                                                                                                                                                                                                                                                                                         Unknown.
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/mol type="unassigned DNA"
/ppe="taxon:32630"
/noTe="RNAi for human IGFBP-5"
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/mol_type="genomic |
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Pred. No. 4.4e+02;
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Sequence 1211 from Patent
AX096033
AX096033.1 GI:13512260
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            Mccarthy,J.J.
Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 1721 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
                                                                                                                Homo sapiens (human)
Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 1211 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                      Lander, E.S.,
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Location/Qualifiers
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/mol_type="genomic DNA"
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AX355212
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Sequence 780 from Patent W00122972.
AX104588
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 780 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                           organism="synthetic construct"

/mol_type="unassigned DNA"

/db_xref="taxon:32630"
                                                                                                                              Location/Qualifiers
                                                             note="Synthetic oligonucleotide~phosphorothioate"
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89.5%; Pred. No. 4.4e+02;
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Score 15.8; DB 1;
Pred. No. 4.4e+02;
0; Mismatches
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Pred. No. 4.4e+02
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WO0197843
                          DB 1;
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BD086363
LOCUS
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KEYWORDS
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KEYWORDS
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AX547641
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ORGANISM
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Best Local Similarity
Matches 17; Conserva
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      source
                                                                                                                                          Singh, N.A., Leppert, M.F. and Charlier, C.

KCNQ2 and KCNQ3-potassium channel genes mutated in ben neonatal convulsion (BFNC) and other convulsions

Patent: JP 2001521041-A 41 06-NOV-2001;

UNIVERSITY OF UTAH RESEARCH FOUNDATION

SHOMO sapiens (human)
PN JP 2001521041-A/41
PD 06-NOV-2001
PP 23-OCT-1998 JP 2000517983
PR 24-OCT-1998 UP 2000517983
PR 24-OCT-1998 UP 2000517983
PR 23-OCT-1998 UP 2000517983
PR 24-OCT-1998 UP 2000517983
PR 24-OCT-1997 US 60/063147
PI NANDA A SINGH, MARK F LEPPERT, CAROLE CHARLIER PC C07K16/18, A01K67/027, A61K48/00, A61P25/08, A61P43/0
PC C12N15/00, C12P21/08, C12Q1/02, C12Q1/68// (C12P21/08)
PC C12N15/00
PC C12N15/00
CC KCNQ2 and KCNQ3-potassium channel genes mutated i
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Inhibition of angiogenesis by nucleic acids Patent: WO 02053141-A 780 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BD086363 21 bp DNA linear KCNQ2 and KCNQ3-potassium channel genes mutated in neonatal convulsion (BFNC) and other convulsions.
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synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 21)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JP 2001521041-A/41.
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p 2001521041-A/41
p 2001521041-A/41
06-NOV-2001
23-OCT-1998 JP 2000517983
23-OCT-1998 UP 200517983
4-OCT-1997 US 66/663147
NANDA A SINCH, MARK F LEPPERT, CAROLE CHARLIER
CORKI6/18, A01K67/027, A61K48/00, A61P25/08, A61P43/00, C07K14/47,
                                                                                                        familial neonatal convulsion (BFNC)
                                                                                                                                                                                                            C12N5/10,
C12N15/09,C12P21/08,C12Q1/02,C12Q1/68//(C12P21/08,C12R1:91),
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                                                                                     Location/Qualifiers
/organism='Homo sapiens (human)'.
Location/Qualifiers
1. .21
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 4.4e+02
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Homo.
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REFERENCE
AUTHORS
TITLE
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BD173626/c
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ACCESSION
VERSION
KEYWORDS
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VERSION
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BD171392/c
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Best Local S
Matches 17
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Matches 17; Conserv
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synthetic construct
sw synthetic construct
artificial sequences.

E 1 (bases 1 to 21)

E 1 (bases 1 to 21)

S Nakamura, Y. and Tamari, M.
Method of detecting bronchial asthma onset risk factor
L Patent: WO 02059305-A 27 01-AUG-2002;
OTSUKA PHARMACEUTICAL CO LTD, YUSUKE NAKAMURA, MAYUMI TAMARI
OS Artificial Sequence
PN WO 02059305-A/27
PD 01-AUG-2002
PF 25-JAN-2001 JP 01P 017076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   artificial sequences.

1 (bases 1 to 21)

8 Nakamura, Y. and Tamari, M.

Makamura, Y. and Tamari, M.

Method for detecting bronchial asthma risk factor

Patent: JP 2002218997-A 27 06-AUG-2002;

OTSUKA PHARMACEUTICAL CO LTD

OS Artificial Sequence

PN JP 2002218997-A/27

PD 06-AUG-2002

PF 205-JAN-2001 JP 2001017076

PI YUSUKE NAKAMURA, MAYUMI TAMARI

PC C1201/68, C12N15/09, C12N15/00

CT Primer sequence (3214r) for PCR

CH Key

FT Source (3214r) for PCR

FT Source (3214r) for PCR
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Method for detecting bronchial asthma
BD171392
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism='Artificial Sequence'
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 4.4e+02;
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Pred. No. 4.4e+02
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BD225845/c
LOCUS
DEFINITION
               DEFINITION ACCESSION
                                                       RESULT 346
CQ796631/c
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ORGANISM
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                                             Snoo
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TITLE
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Best Local
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Best Local 9
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19 AGCAAGGTCTTCTCAATTG 1
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CQ796631
Sequence 3 f
CQ796631
CQ796631.1
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PC (A61K35/76,A61K31:522),C12N15/00,A61K37/02,C12N5/00 CC
Description of Artificial Sequence:Oligonucleotide PH Key
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JP 2002509699-A/48.
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                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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C12N15/12,C12Q1/68,G01N33/53
Primer sequence (3214r) for PCR
                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                     /organism='Artificial Sequence'.
Location/Qualifiers
                                                                                                                                                                                                                               /organism="synthetic construct"
/mol_type="genomic DNA"
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/db_xref="taxon:32630"
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Pred. No. 4.4e+02;
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Pred. No. 4.6e+02;
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Seguence 4 from Patent WO2004027062.
CQ796632
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 Patent: WO
                      Promoter regions of the mouse and human telomerase rna component
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 4.6e+02;
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Sequence 24 from Patent W00129213.
AXI19631
AXI19631.1 GI:14036529
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Patent: WO 0129213-A 24 26-APR-2001;
The Wellcome Trust Limited as Trustee
Merck & Co., Inc. (US)
Location/Qualifiers
                                                                           Method for the detection of cytosine methylations Patent: WO 0231186-A 21 18-APR-2002; Epigenomics AG (DE)
                                                                                                                                                                 synthetic construct synthetic construct
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Human sit4 associated proteins like (sapl) proteins and encoding
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            organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
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Artificial sequences.

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A method of arraying genome
     25 dd 44 d
26 dd 44 d
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Patent: JP 2001321190-A 2326 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
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synthetic construct
artificial sequences.
1 (bases 1 to 22)
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                                                                                                                                                                                                                                                                                                                                                                  BD143963.1 GI:27849721 JP 2002112779-A/11.
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ilarity 89.5%;
Conservative
03-OCT-2000 JP 2000304143
HIROSHI KAWAKAMI,TOMONOBU FUJITA,KEIICHI ITO
C12N15/09,A01K67/027,A61K38/00,A61K39/00,A61K45/00,A61P35/00,
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C12N15/09, C12N15/09, C12M1/00, C12Q1/68, G01N33/53, G01N33/566,
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JP 2001321190-A/2326
                                                                                                      Artificial Sequence JP 2002112779-A/11
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12-MAR-2001 JP 2001068285
                                                                                 16-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                              bladder cancer antigen
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Location/Qualifiers
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89.5%; Pred. No. 4.6e+02;
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Matches 17
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Best Local Similarity
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11374902
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PC C12P21/08,C12Q1/68,G01N33/15,G01N33/50,G01N33/53,G01N33/53,
G01N33/566,
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                                                                                                                                                                                                                                                            Submitted (04-AUG-2001) Akira Horii, Tohoku University School Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendu Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Pax:81-22-717-8047)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K.,
Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Worohashi,A., Chira,M., Nakagawara,A., Liu,S., Hoshi,M., E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        synthetic construct
synthetic construct
artificial sequences
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Genomics 74 (1), 55
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                                                                           Similarity
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CAACCACTCCCACTCTATC 19
                    CTACCACTCCCCCTCTATC 361
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                                                                                                                    /note="reverse primer for human STS sts-D1S1399 at 1p36 sts-D1S1399 obtained from clones B127J4, B311K7, Human library RPCI-11"
                                                                                                                                                                            /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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89.5%; Pred. No. 4.6e+02;
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Pred. No. 4.6e+02;
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AUTHORS
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A95377/c
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Best Local Similarity
Matches 18; Conserv
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                                                                                                                                                                4770 GGAGAAGGGCAGCAAAAAGGGA 4791
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                                  AR072362
Sequence 169
AR072362
AR072362.1
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Unknown.
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1 (bases 1 to 22)
Francis,F. and Kahn,A.
A GENE CALLED XLIS AND THE XLIS GENE PRODUCT, CALLED DOUBLECORTIN AND THEIR PREPARATIONS
PATENTER PREPARATIONS
PATENTE ROS 03-JUN-1999;
INST NAT SANTE RECH MED (FR); FRANCIS FIONA (FR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                         22 bp
Sequence 50 from Patent WO9927089.
A95377
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Kahn, A. and Chelly, J.
A gene called XLIS and the XLIS gene product, called and their applications
Patent: EP 0918091-A 50 26-MAY-1999;
INST NAT SANTE RECH MED (FR)
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Sequence 50 from Patent EP0918091.
A80998
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                                                         22 bp E
165 from patent US 5948611.
                                                                                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Pred. No. 4.9e+02
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ACCESSION
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Query Match 0.3%;
Best Local Similarity 81.8%;
synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 22)
Ling,C., Lin,R., Yoo,Z., Huang,X., Lee,B., Lee,S.
Ling,C., Hsu,H., Shi,C., Yeh,C., Cao,Y. and Parkethod and detector for identifying subtypes of Method and detector for DEC-2002;
Retnet: JP 2002360271-A 645 17-DEC-2002;
KING CAR FOOD INDUSTRIAL CO LID
OS Artificial Sequence
PN JP 2002360271-A/645
PD JP-2002360271-A/645
PD 17-DEC-2001
PR 04-MAY-2001 JP 2001362595
PR 04-MAY-2001 TW 90110785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2755 GTAGAAACAGACATGGAGCTCT 2776
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Sequence
AR150675
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Prockop,D.J., Ala-Kokko,L., Williams,C.J., Ritvaniemi,P.,
Baldwin,C., Hopkinson,I. and Ahmad,N.Nina.
Primers and methods for detecting mutations in the procollagen
gene (COL2A1) that indicate a genetic predisposition for a
COL2A1-associated disease
Patent: US 5948611-A 165 07-SEP-1999;
                                                                                                                                                                                                                                                                             BD184666.1 GI:31876866
JP 2002360271-A/645.
                                                                                                                                                                                                                                                                                                                                                          Method and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and Kitada,C.
Polypeptides their production and use Patent: US 6228984_A 79 08-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 22)
Hinuma, S., Habata, Y., Kawamata, Y., Hosoya, M., Fujii, R., Fukusumi, S.
                                                                                                                                                                                                                                                                                                                                                                            BD184666
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detector for identifying
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Pred. No. 4.9e+0
0; Mismatches
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4.9e+02;
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                                                                                                                                                                                                                                                                                                                                                            of human papiloma
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REFERENCE
AUTHORS
TITLE
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BD211103/c
LOCUS
             RESULT 360
E16224
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VERSION
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Best Local Similarity
Matches 18; Conserv
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                                                                                                             4733 TGAAGGAGACCCATCCTCACCT 4754
                                                                                                                                                                                                                                                                                     Quantitative assay of gene expression
Patent: JP 2002512046-A 48 23-APR-2002;
GENENTECH INC
OS Mus musculus (mouse)
PN JP 2002512046-A/48
PD 23-APR-2002
PN JP 2002512046-A/48
PD 23-APR-1998 US 09/065673
PF 23-APR-1998 US 09/065673
PI DAVID G LOWE
PC C1201/68, C11N15/09, C12N15/00
CC Quantitative assay of gene expression
CC Quantitative assay of gene expression
FT Source
PT Source
Jorganism='Mus muscul
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Quantitative assay of gene
BD211103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PI CHING-YEE LING, RUEY-WEN LIN, ZHOU-MENG YOO, XIN-HSUAN HUANG, BOW-PI HAENG LEE,
PI SHENG-HSIUNG LEE, YI-JU LIN, CI-CHUNG HUANG, HAN-CHANG HSU, CHA-PI WEN SHI,
PI CHIH-XIN YEH, YI-FENG CAO, CHIH-LONG PAN
PC C12N15/09, C12N15/09, C12M1/34, C12Q1/04, C12Q1/42, C12Q1/68 PC
C12N15/09, C12N15/09, C12M1/34, C12Q1/04, C12Q1/42, C12Q1/68 PC
C12Q1/70, G01N33/54, G01N33/58, G01N37/00//(C12M1/34, C12R1:93),
PC G01N33/53, G01N33/574, G01N33/58, G01N37/00//(C12M1/34, C12R1:93),
PC (C12Q1/70, C12R1:93), C12N15/00, C12N15/00
CC Oligonucleotide MM809 for identifying HPV MM8. FH Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mus musculus (house mouse)
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 E16224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 22)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JP 2002512046-A/48.
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                                                                                                                                             llarity 81.8%;
Conservative
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Quantitative assay of gene expression.
Key Location/Qualifiers
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                                                                                                                                                                                                                                                                   /organism='Mus
Location/Qualifiers
                                                                                                                                                                                                        /organism="Mus musculus"
/mol_type="genomic DNA"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism='Artificial Sequence'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 4.9e+02;
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Pred. No. 4.9e+02;
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                                                                                                                                                                                                                                                                                            (mouse)'.
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 PAT 28-JUL-1999
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AUTHORS
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KEYWORDS
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E27236
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JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%;
Best Local Similarity 81.8%;
Matches 18; Conservative
                                                                                                                JOURNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        source
                                                                                                                                                                                                                                                                                                                                                                                                                                      3260 ACCTGGCCTCTGTGCTTAGTGC 3281
                                                                                            Shuji,H. and Shoji,F.
Novel physiologically active substance,
same and utilization thereof
Patent: JP 199909286-A 27 19-JAN-1999;
TAKEDA CHEM IND LTD
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Novel physiologically active same and utilization thereof. E27216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 22)
Hinuma, K., Habatake, Y., Kawamata, Y., Hoi
Fukuzumi, M. and Kitada, C.
NEW PHYSIOLOGICALLY ACTIVE SUBSTANCE, I'
Patent: JP 1998146192-A 48 02-JUN-1998;
   PRPPR
                                                                                                                                                                                                             unidentified
                                                                                                                                                                                                                                         same and utilization (
E27236
E27236.1 GI:13025253
JP 1999009286-A/27.
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PR 28-DEC-1995 JP 95P 343371, 15-MAR-1996 JP 96P 59415
12-AUG-1996 JP 96P 211805, 18-SEP-1996 JP 96P 246573 PI
HINUMA KUNIJI, HABATAKE YUUGO, KAWAMATA YUJI, HOSOYA MASAKI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              unclassified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                unidentified
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JP 1998146192-A/48.
                                                                                                                                                                                               unclassified.
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JP 1998146192-A/48
02-JUN-1998
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                                                Unidentified
JP 1999009286-A/27
19-JAN-1999
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strandedness: Single;
topology: Linear;
 SHUJI HINUMA, SHOJI FUKUZUMI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bource
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C12N15/09,A61K31/70,A61K31/70,A61K31/70,A61K31/70,
                                 27-APR-1998 JP 1998117189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A61K35/76,A61K38/00,A61K48/00,C07H21/00,C07K14/47,C12N5/10, PC
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/organism='Artificial
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Pred. No. 4.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                    OS Unidentified
PN JP 199971300-A/48
PN 16-MAR-1999
PF 22-JUN-1998 JP 1998175007
PR SHUJI HINUMA,RYO FUJII,YUJI KAWAMATA,HIROKAZU MATSUMOTO PC A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K38/00,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02,A61K37/02
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Shuji.H., Ryo,F., Yuji,K. and Hirokazu,M.
Utilization of peptide
Patent: JP 1999071300-A 48 16-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E28308
Utilization of peptide
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ACCTGGCCTCTGTGCTTAGTGC 3281
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A61K38/00,A61K38/00,C07K7/08,C07K14/705//C12N15/09,C12P21/02,
(C12P21/02,C12R1:91),A61K37/02,A61K37/02,A61K37/02,A61K37/02,
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                                                        Conservative
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                                                                                                                                                                                                                                                            /organism='Unidentified'
                                                                                                                                                       /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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                                                                   Score 15.6; Db 1,
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Pred. No. 4.9e+02;
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AR216883
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I46450
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I26473
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Prockop,D.J., Ala-Kokko,L. and Ritvaniemi,P.
Primers and methods for detecting mutations in the procollagen
gene that indicate a genetic predisposition for osteoarthritis
Patent: US 5558988-A 165 24-SEP-1996;
1 (bases 1 to 22)
Singh,N.A., Leppert,M.F. and Charlier,C.
KCNQ2 and KCNQ3-potassium channel genes
                                                                                                                                                                                                                                                                                                             1 (bases 1 to 22)
Mitsuhashi,M. and Cooper,A.
Method for detecting polynucleotides with
polynucleotide probes identified based on
Patent: US 5639612-A 429 17-JUN-1997;
                                              Unknown
                                                                                 AR216883.1
                                                                                                                                                                                                                                                                                                                                                                                  Unknown
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                                                                                                        34
                                                                                                                                                                                                                                                                 /organism="unknown"
/mol_type="unassigned
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                                                                                                                                                                                                                                                                                                                                                                                                                    GI:2470415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="unassigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            organism="unknown"
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                                                                                 GI:23316227
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Pred. No. 4.9e+0
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Pred. No. 4.9e+02;
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Best Local Similarity 81.8%;
Matches 18; Conservative
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Sequence 13 from Patent WO0107478
AX077117
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                                                                                                                                                                                                                                                                                 Sequence 61 from Patent WO0122972. AX103869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A pl artifical chromosome (pac) vector for the expression of pituitary adenyl cyclase activating peptide receptor (pacap receptor) and transgenic animals comprising said vector Patent: WO 0107478-A 13 01-FEB-2001; MEDICAL RESEARCH COUNCIL (GB)
                                                                                                                                Krieg,A.M., Schetter,C. and Vollmer,J.C.
Immunostimulatory nucleic acids
Patent: WO 0122972-A 61 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
                                                                                                                                                                                                                       synthetic construct synthetic construct
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                                           /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 4
Score 15.6; DB 1;
Pred. No. 4.9e+02;
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Pred. No. 4.9e+02;
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RESULT 370
AX546922/c
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AX462792/c
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AX163844
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Best Local Similarity
Matches 18; Conserv
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                                                                                               2115 GCAGCAGATGAAGCGAAGGAA 2136
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                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 536
AX462792
AX462792.1
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hol,E.M. and van Leeuwen,F.W. Clearance of aberrant protein in correlation with disease Patent: WO 0140804-A 13 07-UN-2001; Koninklijke Nederlandse Akademie van Wetenschappen (NL) Location/Qualifiers
                                                                                                                                                                                                                                                   Bernard, M., Sourdille, P. and Guyomarch, H. Microsatellite markers from Triticum tauschii Patent: EP 1217079-A 536 26-JUN-2002; INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 13
AX163844
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synthetic construct
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ilarity 81.8%;
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536 from Patent EP1217079.
                                                                                                                                                                                /organism="Aegilops tauschii"
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/db_xref="taxon:37682"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism="synthetic construct"
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/mb xref="taxon:32630"
/note="wildtype 5' primer AAP"
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AUTHORS
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AX742813
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Matches 18; Conserv
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AX546922
AX546922.1
                         BD086352

RCNQ2 and KCNQ3-potassium channel genes mutated in neonatal convulsion (BFNC) and other convulsions.

BD086352

BD086352.1 GI:22631962

JP 2001521041-A/30.

Homo sapiens (human)
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Sequence 616 from Patent BP1302550.
AX742813
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synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bratzler, R.L. Inhibition of angiogenesis by nucleic
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                    Patent: EP 1302550-A 616 16-APR-2003;
King Car Food Industrial Co., Ltd. (TW)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Method and detector for identifying subtypes of human papilloma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              artificial sequences.
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/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                          note="Oligonucleotide for Identifying HPV
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81.8%; Pred. No. 4.9e+02;
vative 0; Mismatches 4; Indels
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Pred. No. 4.9e+02;
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RESULT 373
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Matches 18; Conserv
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                                                                                                                                                                                                                                                                                        AX767321 23 bp
Sequence 2 from Patent WO03042409.
AX767321
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                                                                                                                                                                                        Magnani,M., Graziano,F. and Ruzzo,A.
Mutations of the germinal line in the gene promoter of e-caderine and diagnosis method to identify greater suceptibility to gastric
                                                                                                                                                                                                                                             synthetic construct synthetic construct
                                                                                                                                                         Patent: WO 03042409-A 2 22-MAY-2003;
Universita' Degli Studi Di Urbino (IT)
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                                                                                                                                                                                carcinoma
                                                                                                                                                                                                                                     artificial
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 GTACCTGCAGCAGCAGCAGCAG
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                  GTCCCTGCAGCTGCTGCAG 2658
                                      0.3%;
nilarity 81.8%;
Conservative
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                                                                                  /note="PCR primer for identification
E-Caderine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism='Homo
                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                      organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                        Score 15.6; DB Pred. No. 5e+02; Mismatches
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AR074708/c
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ORGANISM
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AR074707
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AR074706
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Best Local Similarity
Matches 16; Conserv
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                    Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

Morgante, M. and Vogel, J. Marie.

Compound microsatellite primers for the detection of genetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polymorphisms
Patent: US 5955276-A 3 21-SEP-1999;
Location/Qualifiers
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                                                                                                                     Sequence 5 from AR074708
                                                                                                                                                                                                                                                                                                                                polymorphisms
Patent: US 5955276-A 4 21-SEP-1999;
Cocation/Qualifiers
1. 17
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Morgante, M. and Vogel, J. Marie.
Compound microsatellite primers for the
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AR074707
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Morgante, M. and Vogel, J. Marie.
Compound microsatellite primers for the
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polymorphisms
Patent: US 5955276-A 5 21-SEP-1999;
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ilarity 94.1%;
Conservative
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mol_type="unassigned DNA"
                                                                                                           GI:10001461
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Pred. No. 4.5e+02;
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B12897/c
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Local Similarity 94.1%;
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Sequence
AR074709
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  polymorphisms
polymorphisms
Patent: US 5955276-A 6 21-SEP-1999;
Location/Qualifiers
1. 17
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Morgante, M. and Vogel, J.Marie.
Compound microsatellite primers for the detection of genetic
                                                                                                                                                  UNIT AND ITS
PATENT: JP 1997095495-A 1 08-APR-1997;
KANSAI SHIN GIJUTSU KENKYUSHO:KK, MATSUDA AKIRA
                                                                                                                                                                                     1 (bases 1 to 17)
Matsuda,A. and Ono,A.
MATSUDA,A. OLIGONUCLEOTIDE, NUCLEOSIDE AND INTERMEDIATE
PRODUCING THE SAME, ITS SYNTHESIS, OLIGONUCLEOTIDE SYNT
                                                                                                                                                                                                                                                                                                      17 bp
Modified antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unknown
                                                                                                                                                                                                                                                unidentified
                                                                                                                                                                                                                                                                      E12897.1 GI:5708629
JP 1997095495-A/1.
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                                                                  29-SEP-1995 JP 1995277168
MATSUDA AKIRA, ONO AKIRA
C07H21/04//A61K31/70,A61K31/70,C12N15/09;
                                                                                                                 Artificial sequences.
JP 1997095495-A/1
                                                                                                                                           None
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           Bource
                                                       strandedness: Single;
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/mol_type="unassigned
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Pred. No. 4.5e+02;
                                  Location/Qualifiers
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Pred. No. 4.5e+02;
organism='Artificial sequences' FT/
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AR329529
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Matches 16
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Best Local Similarity
Matches 16; Conserv
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AR329529
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                                                                                                                                         Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

Method and reagent for the treatment of diseases or condi-
related to levels of vascular endothelial growth factor r

Patent: US 6566127, A 6931 20-MAY-2003;
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                                                                                                                                                                                                                               Unknown
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CCACACCCCAACTCCCG
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nilarity 94.1%;
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                                                                                           /organism="unknown"
/mol_type="unassigned RNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="unidentified"
/mol_type="genomic RNA"
/db_xref="taxon:32644"
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Pred. No. 4.5e+02;
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                                                         Score 15.4; DB
Pred. No. 4.5e+C
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AX272939/c
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Sequence 4318 from Pates
AX738728
AX738728.1 GI:30518018
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AX272939
Sequence 508 from Patent
AX272939
AX272939.1 GI:16545676
                                                                                                                                                                                                                                                                                                 Molecular Engines Laboratories
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                     Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour suppression, tumo reversion, apoptosis and/or virus resistance and their use
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Method and reagent for the inhibition patent: WO 0162911-A 508 30-AUG-2001; RIBOZYME PHARMACUTICALS, INC. (US); Location/Qualifiers
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Ellis,J.H.
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llarity 94.1%;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned RN/
/db_xref="taxon:9606"
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Pred. No. 4.5e+02;
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
thereof as medicaments 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                           AR069211
Sequence 51 from patent US
AR069211
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Sequence 5701 from Patent
AX762380
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                       Unknown
Diagnosis and treatment of AIDS onset Patent: US 5891623-A 51 06-APR-1999;
                                          Primi, D.
                                                                                     Unclassified.
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
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Pred. No. 4.5e+02;
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Best Local S
Matches 16
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TITLE
JOURNAL
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TITLE
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                                                                                                                                                                                                                                 artificial sequences.

18 1 (bases 1 to 18)
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
18 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Ackermann, E.J., Swayze, E.E. and Cowsert, L.M.
19 Bennett, F.C., Acke
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Sequence
AR099375
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BD273578.1 GI:33083346
JP 2002539073-A/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 18)
Bennett, C. Frank., Ackermann, E.J., Swayze, E.E.
Antisense modulation of Survivin expression
Patent: US 6077709-A 29 20-JUN-2000;
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FH Key Locat
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FT /orga
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                                                                                                                                                                  C07H21/04, A61K31/7088, A61K31/712, A61K48/00, A61P35/00 CC
                                                                                                                                                                                                               23-SEP-1999 JP 2000572239
29-SEP-1998 US 09/163162,05-APR-1999 US 09/2864
C BENNETT,ELIZABETH J ACKERMANN,ERIC E SWAYZE,LEX M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                          /organism='Artificial
Location/Qualifiers
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/organism≂"synthetic construct"
/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism="unknown"
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                                                                                                                            Location/Qualifiers
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Pred. No. 4.
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Pred. No. 4.7e+02;
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09/286407 PI

PAT 17-JUL-2003

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Gaps

0

and

Cowsert, L.M.

PAT 14-FEB-2001

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Gaps

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DEFINITION
ACCESSION
VERSION
KEYWORDS
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AUTHORS
TITLE
JOURNAL
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I64429/c
LOCUS
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AUTHORS
TITLE
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ORGANISM
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E04839/c
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Query Match
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Best Local Similarity 94.1%;
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les 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                      synthetic construct

SM synthetic construct

artificial sequences.

E 1 (bases 1 to 18)

E 1 (bases 1 to 18)

Kishimoto C., Hachiman, H. and Yasukawa, K.

KISHIMOTO CHUZO, CHUGAI PHARMACEUT CO LTD, TOSOH CORP

OX Artificial sequence; Genes.

OC Artificial sequence; Genes.

OS Homo sapiens (human)

PN JP 1993091892-A/17

PD 16-APR-1993

PF 02-OCT-1991 JP 1991255521

PF 02-OCT-1991 JP 1991255521

PF KISHIMOTO CHUZO, HACHIMAN HIDEO, YASUKAWA KIYOSHI PC

C1PPZ1/02, COTK13/00, C12N15/12, (C12PZ1/02, C12R1:91); CC

CC topology: Linear;

CC hypothetical No.

CC hypothetical No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1184 AAAGAGAGAGAGAGAAA 1200
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                                                                                                                                                                                                Sequence 51 from patent US 164429
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                                                                                                                               Unknown.
Unclassified.
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JP 1993091892-A/17.
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                                                                             iagnosis and treatment of AIDS onset
itent: US 5665355-A 51 09-SEP-1997;
                                                                                                                 (bases 1 to 18)
                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                              Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /db_xref="taxon:32630"
                           /moj
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                                     organism="unknown"
                                                                                                                                                                                  GI:2481323
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                         _type="unassigned DNA"
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Pred. No. 4.7e+02;
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Pred. No. 4.7e+02;
Score 15.4;
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В
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1;
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Length
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RESULT 391
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ORGANISM
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AR181576
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DEFINITION
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KEYWORDS
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AUTHORS
TITLE
JOURNAL
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VERSION
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AR181616
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AUTHORS
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Matches 16; Conserv
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Best Local (
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Best Local Similarity
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Sequence 78
AR181616
AR181616.1
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Sequence
AR181576
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1 (bases 1 to 18)

Bennett, C.Frank., Ackermann, E.J., Swayze, E.E.

Antisense modulation of survivin expression

Patent: US 6335194-A 38 01-JAN-2002;

Patent: US 6335194-A 38 01-JAN-2002;

Location/Qualifiers
                         AR181667 18
Sequence 129 from patent US
AR181667
AR181667.1 GI:20223881
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                                                                                                                                                                                                                                                                        1 (bases 1 to 18)
Bennett, C. Frank., Ackermann, E.J., Swayze, E.E.
Antisense modulation of survivin expression
Patent: US 6335194-A 78 01-JAN-2002;
Location/Qualifiers
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Pred. No. 4.7e+02;
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 4871 CTCAGTTTCTTTCTCTG 4887
                                                                                                                        l (bases 1 to 18)
Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 7215 25-MAR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       l (bases 1 to 18)

Bennett, C.Frank., Ackermann, E.J., Swayze, E.E.

Antisense modulation of survivin expression

Patent: US 6335194-A 129 01-JAN-2002;

Location/Qualifiers
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Sequence 7215 from patent
AR295480
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1 (bases 1 to 18)
Johnston-Dow, L.A., Demeter, L., White, C.B.,
White, C.B.,
Kohlenberger, R., Conrad, M. and Myers, A.
Methods for HIV sequencing and genotyping
Patent: US 6379957-A 5 30-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5 from AR208065
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                                                                        /mol_type="genomic DNA"
                                                                                  /organism="unknown"
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94.1%; Pred. No. 4.7e+02;
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94.1%; Pred. No. 4
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AX297719/c
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AX297704/c
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AR299766
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 11501 25-MAR-2003;
                                                                                                                                                                                                                                                                                    Barany, F., Zirvi, M., Gerry, N.P., Favis, R. an Method of designing addressable array for de sequence differences using ligase detection Patent: WO 0179548-A 9466 25-OCT-2001; CORNELL RESEARCH FOUNDATION, INC. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 9466 from Patent AX297704
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                                                                                                                                                                                                                       /mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Hypothetical Probe Sequence"
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1 (bases 1 to 18)
Kishimoto,C., Yahata,H. and Yasukawa,K.
IL-6 receptor derivative
Patent: JP 2001269186-A 17 02-OCT-2001;
CHUZO KISHIMOTO,CHUGAI PHARMACEUTICAL CO LTD,TOSOH CORP
OS Unidentified
PN JP 2001269186-A 7.77
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Sequence 96 from Patent WO0240668.
AX530373
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                                                                                                                                             BD078665.1 GI:22624268
JP 2001269186-A/17.
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Apotech Research and Development Ltd. (CH)
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ilarity 94.1%;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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PF 22-FSB-2001 JP 2001047237
PF 22-FSB-2001 JP 2001047237
PI CHUZO KISHIMOTO,HIDEO YAHATA,KIYOSHI YASUKAWA PC
PI C12N15/09,C12N5/00
CC C12N15/00,C12N5/00
CC Strandedness: Single;
CC Topology: Linear;
CC Topology: Linear;
CC Topology: Linear;
CC IL-6 receptor derivative
CC IL-6 receptor derivative
FT Source

1. .18
FT source

/organism='Unidentified'.
                                                                                                                                                                                                                 Mizuguchi, M., Kurosaki, N., Makino, K., Koya
ANTI-HTLV-I ANTI-SENSE OLIGONUCLEOTIDE
ANTI-HTLV-I ANTI-SENSE OLIGONUCLEOTIDE
ANTI-HTLV-I ANTI-SENSE OLIGONUCLEOTIDE
SOYAKU GLJUTSU KENKYUSHO:KK

OS None
OC Artificial sequences.
PN JP 1997052898-A/17
PD 25-PEB-1997
PP 25-PEB-1997
PP 09-AUG-1995 JP 1995224606
PI MIZUGUCHI MASATSUGU, KUROSAKI NAOXO,
KOYANAGI YOSHIO,
PI YAMAMOTO NAOKI
PC COPH21/04/A61K31/70;
CC strandedness: Single;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: Yes;
PH Key Location/Qualifiers
PH Key Location/Qualifiers
PH Key 1..19
                               4066 TTCCAAATGGCCCACTT 4082
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09-AUG-1995 JP 1995224606
MIZUGUCHI MASATSUGU, KUROSAKI NAOKO, MAKINO KBISUKE, PI
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Location/Qualifiers
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/mol_type="genomic DNA"
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Unclassified.

1 (bases 1 to 19)

1 (bases 1 to 19)

Kere, J., Schlessinger, D. and de la Chapelle, A.
Anhidrotic ectodermal dysplasia gene and method and the control of the co
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Sequence 9 from I
AR268328
                    1 (bases 1 to 19)
Neremberg, M.I. and Kitajima, I.
Suppression of nuclear factor.kappa.b
oligonucleotides
Patent: US 6498147-A 9 24-DEC-2002;
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Kere, J., Schlessinger, D., de la Chapelle, A. and Srivastava, A. Kumar.
Molecular cloning of the anhidrotic ectodermal dysplasia gene
Patent: US 5700926-A 17 23-DEC-1997;
Location/Qualifiers
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Sequence 10:
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Patent: US 6498147-A 10 24-DEC-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                             Homo sapiens (human)
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Sequence 3888 from Patent
AX132670
AX132670.1 GI:14138975
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Nerenberg,M.I. and Kitajima,I.
Suppression of nuclear factor-.kappa.b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unknown
                                                                                                                                                                            Patent: WO 0130362-A 3888 03-MAY-2001;
                                                                                                                                                                                        diseases
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unknown.
                                                                                                                                                                                                  Ribozyme therapy for the treatment of proliferative skin and
                                                                                                                                                                                                               Robbins, J.M. and Tritz, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unclassified.
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Similarity 94.1%;
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                                                                                          /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db xref="taxon:9606"
/note="PCNA HH ribozyme binding
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/mol_type="genomic
                                                                                                                                                      Location/Qualifiers
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/mol_type="genomic |
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AR146267/c
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AR162488/c
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Sequence
AR162488
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1 (bases 1 to 20)

1 (bases 1 to 20)

Finer, M.H., Dull, T.J., Zsebo, K.M., Cooke, K. and Farson, D.A.

Finer, Production of high titer virus and high efficiency

Method for production of high titer virus and high efficiency

retroviral mediated transduction of mammalian cells

Patent: US 6218187-A 42 17-APR-2001;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Park, J.G., Kim, I.J., Kang, H.C. and Park, J. Ret oligonucleotide microchip and method f cancer employing same Patent: Ep 1331100-A 74 06-AUG-2003; National Cancer Center (KR)
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AR146267
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                                                                             168 from patent
                                                                                                                                                                                                                                                                  /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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ORGANISM
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Best Local Similarity 94.1%;
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                                                                      KIRIN BREWERY CO LTD
OS ARTIFICIAL Sequen
PN JP 1999313576-A/7
PD 16-NOV-1999
PF 23-MAR-1999 JP 19
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                                                                                                                                             synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 20)
Kazuma, T., Hitoshi,Y., Kazumori,H., Mitsuo,O.
Chimeric animal and method for constructing ti
Patent: JP 199313576-A 7 16-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 117 from Patent CQ771690 CQ771690.1 GI:45125680
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Zhang, H. and Cowsert, L.M.
Antisense modulation of caspase 8 expression
Patent: US 6258600-A 168 10-JUL-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                     B38857.1 GI:13017605
JP 1999313576-A/7.
                                                                                                                                                                                                                                                                                  Chimeric animal and method for B38857
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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JP 1999313576-A/7
16-NOV-1999
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                                           KAZUMA TOMIZUKA, HITOSHI YOSHIDA, KAZUNORI HANAOKA,
A01K67/027, C12N5/10, C12N15/02, C12P21/08, C12N5/00, C12N15/00 CC
                                                                         23-MAR-1999 JP 1999078572
               SAO ISHIDA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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Best Local Similarity
Matches 16; Conserv
                      Query Match
Best Local Similarity
Matches 16; Conserv
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Best Local Similarity 94.1%;
Matches 16; Conservative
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AR274857
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I31143
                                                                                                                  1 (bases 1 to 20)
Finer, M.H., Dull, T.J., Zsebo, K.M., Cooke, K. and Farson, D.A.
Method for production of high titer virus and high efficiency
retroviral mediated transduction of mammalian cells
Patent: US 6506604-A 42 14 JAN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length polymorphisms in (dC-dA).sub.n.(dG-dT).sub.n method of using the same Patent: US 5582979-A 55 10-DEC-1996;
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/mol_type="unassigned DNA"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                     /organism="unknown"
/mol_type="genomic DNA"
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94.1%; Pred. No. 5e+02;
tive 0; Mismatches
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Sequence 9 from J
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Unclassified.

1 (bases 1 to 2
Tomizuka, K., Yor
                                                               Sequence 7
AR409519
AR409519.1
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AR312087
                                  Unknown
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1 (bases 1 to 20)

Gozes, I., Bareneman, D.B., Bassan, M. and Zamostiano, R. Activity dependent neurotrophic factor III (ADNF III)

Patent: US 6613740-A 9 02-SEP-2003;
                                                                                                                                                                                                                                                                                                                                      Unknown
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Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polymucleotides and
Patent: US 6559294-A 2624 06-MAY-2003;
                                           Unknown.
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/mol_type="genomic !
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  Yoshida, H., Hanaoka, K., Oshimura, M. and Ishida, I.
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Sequence 7 from Patent W00071703
AX053083
                                                                                                                                         Macleod, A.R., Li, Z. and Besterman, J.M. Inhibition of histone deacetylase Patent: WO 0071703-A 16 30-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chimeric mice that are produced by microcell mediated chromosome transfer and that retain a human antibody gene Patent: US 6632976-A 7 14-OCT-2003;

Location/Qualifiers
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                          nucleotides;
                                  /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Description of Combined DNA/RNA Molecule: Positions
/noTe="10 are 2'-methoxyribose substituted
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Sequence 20 from Patent WO0109311
AX081478
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Patent: WO 0109311-A 20 08-FEB-2001;
RAMOT UNIVERSITY (IL); THE DEPARTMENT OF HEALTH
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A bap28 gene and protein
Patent: WO 0100669-A 57 04-JAN-2001;
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                                                                                                                                                                                                                 Methods of inhibiting cancer cells with
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                                                                                                                                                      Location/Qualifiers
                                                                                                      /organism="synthetic construct"
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mol_type="unassigned DNA"

/db_xref="taxon:32630"
                                                                                              note="mouse ADNF III cDNA sense"
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Sequence 52 from Patent
AX546393
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Sequence 52 from Patent EP1243290.
AX546303
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synthetic construct synthetic construct artificial sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooldeae; Triticeae; Aegilops.
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Aegilops tauschii
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/mol_type="unassigned DNA"
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                                                        GI:25811584
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Activity dependent neurotrophic factor III (ADNF III)
AL Patent: JP 2001522228-A 5 13-NOV-2001;
THE GOVERNMENT OF THE UNITED STATES OF AMERICA REPRESENTED BY THE
SECRETARY OF THE DEPARTMENT OF HEALTH HUMAN SERVICES
PN JP 200152228-A/5
PD 13-NOV-2001
PP 06-FEB-1998 JP 1998534982
PR 07-FEB-1997 US 60/037404
PI ILLANA GOZES, DOUGLAS B BRENNEMAN, MERAV BASSAN PC
CC Strandedness: Single;
CC Topology: Linear;
CC Topology: Linear;
FH Key Location/Qualifiers.
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                                            AR001399
Sequence 42
AR001399
AR001399.1
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Zea mays
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.
Unknown
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nilarity 94.1%;
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Pred. No. 5e+02;
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AR069988
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18
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Sequence
AR069988
                                           16;
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Carrano, R.A., Wang, B. and Weiner, D.B.
Compositions and methods for delivery of
Patent: US 5962428-A 42 05-OCT-1999;
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Van Der Laan,J.M., Riemens,A.M. and Quax,W.J.
Mutated penicillin G acylase genes
Patent: US 5891703-A 21 06-APR-1999;
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Carrano,R.A., Wang,B. and Weiner,D.B.
Compositions and methods for delivery of
Patent: US 5739118-A 42 14-APR-1998;
Location/Qualifiers
                                                                                                                                                                                                                                             Sequence 42 from patent US AR078379
                                                                                                                                                                                               Unknown
                                                                                                                                                                                                            Unknown.
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                                                                                       organism="unknown"
/mol_type="unassigned/
                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="unknown"
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Pred. No. 5.1e+02;
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Pred. No. 5.1e+02;
0; Mismatches 1.
                                                      Score 15.4; DB 1;
Pred. No. 5.1e+02;
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AR138150/c
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AR103532/c
LOCUS
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 REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
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AR085230/c
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AR103532
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1 (bases 1 to 21)

1 (bases 1 to 21)

Weiner,D.B., Williams,W.V. and Wang,B.
Compositions and methods for delivery
Patent: US 5981505-A 46 09-NOV-1999;
Location/Qualifiers
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AR085230
                                                                                                                                                                                                                                                                                                           Asthma related genes
Asthma related genes
Patent: US 6087485-A 56 11-JUL-2000;
Location/Qualifiers
Unclassified.

1 (bases 1 to 21)

Carrano,R.A., Wang,B. and Weiner,D.B.

Carrano,Rand methods for delivery of genetic material Patent: US 6197755-A 42 06-MAR-2001;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 21)
Brooks-Wilson, A.R.,
Miller, A. and North
                                                                    Unknown
                                                                               Unknown
                                                                                                                                   AR138150
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Similarity 84.2%;
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                                                                                                                                                                                                                                                                              /organism="unknown"
/mol_type="unassigned
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Pred. No. 5.1e+02;
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s 6087485.
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TITLE
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SOURCE
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BD232905
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KEYWORDS
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AR148280/c
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Matches 16
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Carson, J., Kwon, S., Ainger, K. and Avossa,
Myelin basic protein MRNA transport and t
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Sequence 11 from patent US
AR148280
                                          PFF CCC PFF PP PN S
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Method of detecting mutation selected by Patent: JP 2002518065-A 1 25-JUN-2002; INNOGENETICS NV
                                                                                                                                                                                                                Aids-associated retrovirus
Aids-associated retrovirus
Viruses; Retroid viruses; Retroviridae.
                                                                                                                                                                                                                                                JP 2002518065-A/1.
                                                                                                                                                                                                                                                                              Method of detecting mutation
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent: US 6225082-A 11 01-MAY-2001;
Location/Qualifiers
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Similarity 94.1%;
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Similarity 94.1%;
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                                                                            LIEVEN STUYVER
C12N15/09,C12Q1/68,C12Q1/70,C12N15/00
Method of detecting mutation selected
                                                                                                                                 Aids-associated retrovirus
JP 2002518065-A/1
25-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                              22-JUN-1999 JP 2000556068
24-JUN-1998 EP 98870143.9
                            /organism='Aids-associated
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/mol_type="unassigned
organism="Aids-associated retrovirus"
| mol_type="genomic DNA"
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                                                            Location/Qualifiers
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Pred. No. 5.1e+02;
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Pred. No. 5.1e+02;
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                                                             TITLE
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Query Match
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Matches 16; Conserv
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                                                                                                                                                                                                                  CQ786140
Sequence 28
CQ786140
CQ786140.1
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Method of detecting mutation selected by Patent: JP 2002518065-A 501 25-JUN-2002; INNOGENETICS NV
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Aids-associated retrovirus
Viruses; Retroid viruses; Retroviridae
                                                          Rnai probes targeting cancer-related proteins Patent: WO 2004018676-A 28 04-MAR-2004; The University of British Columbia (CA)
                                                                                                                                                                      synthetic construct
synthetic construct
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JP 2002518065-A/501
                                                                                                                      Jansen, B., Gleave, M.B., Signaevsky, M., Beraldi,
                                                                                                                                                        artificial sequences.
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C12N15/09,C12Q1/68,C12Q1/70,C12N15/00
Method of detecting mutation selected
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22-JUN-1999 JP 2000556068
24-JUN-1998 EP 98870143.9
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/mol_type="genomic DNA"
/db_xref="taxon:11966"
/organism="synthetic construct"
/mol_type="unassigned DNA"
                                              Location/Qualifiers
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94.1%; Pred. No. 5.1e+02;
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AR299824/c
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AR317440
Sequence
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                                                                                                                 16;
                                                                                                                                                                                           1 (bases 1 to 21)
Cohen,D., Chumakov,I. and Blumenfeld,M.
Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
Patent: US 6537751-A 11559 25-MAR-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                          Unknown
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Sequence 11559 from patent
AR299824
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31 from patent US 6562957.
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/note="RNAi for human IGFBP-5"
                                                                                                                                                                      organism="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mol_type="unassigned DNA"
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AR359811/c
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Sequence 1 from Patent WO9967428
AXX007459
                                                               Patent: WO 9967428-A 1 29-DEC-1999; INNOGENETICS NV (BE); STUYVER LIEVEN
                                                                                              Stuyver,L. Method for detection of drug-selected mutations
                                                                                                                                                       Aids-associated retrovirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 21)
Manoharan,M., Cook, P.D., Prakash, T.P. and Mohan, V. Guanidinium functionalized nucleotides and precure Patent: US 6593466-A 10 15-JUL-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unknown
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AR359811
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Letarte,M., Marchuk,D.A. and McAllister,K.
Genomic sequence encoding endoglin and fragments thereof
Patent: US 6562957-A 31 13-MAY-2003;
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                                                                                                                                          Viruses; Retroid viruses; Retroviridae.
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/mol_type="genomic I
/organism="Aids-associated retrovirus"
/mol type="unassigned DNA"
/db_xref="taxon:11966"
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/mol_type="genomic |
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Matches 16
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Matches 16; Conserv
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Best Local Similarity 94.1
Matches 16; Conservative
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Patent: WO 9967428-A 501 29-DEC-1999;
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
Location/Qualifiers
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Sequence 53 from Patent WO0075321.
AX058646
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Sequence 501 from Patent W09967428.
AX007959
AX007959.1 GI:9995656
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                                                                                                                                                                                                                                                                  synthetic construct synthetic construct
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Aids-associated retrovirus
Viruses; Retroid viruses; Retroviridae.
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llarity 94.1%;
Conservative
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/mol_type="unassigned DNA"
/db_xref="taxon:11966"
                                                                                                                  /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon.32630"
                                                                                                      /note="chemically synthesized"
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Asthma-associated gene.
BD129762
BD129762.1 GI:23224707
JP 2002500895-A/52.
unidentified
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Sequence 182
AX956632
AX956632.1
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Rosa sp.
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Polymorphisms in the human cyp2b6 gene
and therapeutic applications
Patent: WO 0159152-A 34 16-AUG-2001;
Epidauros Biotechnologie AG (DE)
Location/Qualifiers
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Sequence 34 from Patent W00159152.
XX214491
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/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="artificial"
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/mol_type="unassigned DNA"
/db_xref="taxon:36598"
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Miller, A. and North, M.
Asthma-associated gene
Patent: JP 2002500895-A 52 1
AXYS PHARMACEUTICALS INC
OS Unidentified
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OS Unidentified
PN JP 2002500895-A/52
PD 15-JAN-2002
PD 15-JAN-2002
PF 21-JAN-1998 JP 2000528715
PF 21-JAN-1998 JP 2000528715
PF ANGELA R BROOKS WILSON, ALAN BUCKLER, LON
CARDON, ALISOUN H CAREY,
PI MARGARET GALVIN, ANDREW MILLER, MICHAEL NORTH
PI MARGARET GALVIN, ANDREW MILLER, MICHAEL NORTH
PC C12Q1/68, A01KG7/027, C07K14/47, C12N15/09, C12N15/00
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Sequence 3 from Patent WO2004027093.
CQ796440
CQ796440.1 GI:46408212
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Hayden,M., Lin,B. and Nasir,J.
Hayden,M., Ein,B. and Nasir,J.
Mouse model for Huntington's Disease
Patent: US 5849995-A 31 15-DEC-1998;
Location/Qualifiers
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AR066407.1
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Sequence 31 from patent US
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/organism='Unidentified'
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
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Pred. No. 5.1e+02
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Sequence 3 from Patent WO02074988.
AX583623
AX583623.1 GI:27655433
Bestrophin and bestrophin homologous proteins involved in the regulation of energy homeostasis Patent: WO 03030922-A 16 17-APR-2003;
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Sequence 16 from Patent WOO3030922.
AX745979
AX745979.1 GI:30724630
                                                                                 synthetic construct
synthetic construct
artificial sequences.
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                                           Ciossek,
                                                      Steuernagel, A., Bruenner, G., Fritsch, R.,
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"

/db_xref="taxon:32630"
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Direct Submission
Submitted (18-JUL-1997) Naoya Ihara, Japan Live Stock Technology
Association, Shirakawa Institute of Animal Genetics; Nishigo
Odakura, Nishishirakawa, Fukushima 961, Japan
                                                                                                                                                                                           DOVING, ....
1 (bases 1 to 20)
2 (bases 1 to 20)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        microsatellite.
                                                                                                                  Ihara, N.
                                                                                                                                                              Unpublished
                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                Bos taurus
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bos taurus (cow)
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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94.1%; Pred. No. 5.3e+02;
tive 0; Mismatches 1
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Sequence 10 from Patent WO9429351.
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Sequence 10 from Patent W09429451
A/3034
                                                                                                    Patent: WO 9429351-A 10 22-DEC-1994;
CELLTECH LTD (GB); MORGAN SUSAN ADRI
Location/Qualifiers
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Morgan, S.A. and Emtage, J.S.
HUMANISED ANTIBODIES
Patent: WO 9429451-A 10 22-DEC-1994;
CELLIECH LTD (GB); MORGAN SUSAN ADRIENNE
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Morgan, S.A. and Emtage, J.S.
ANTIBODIES
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/mol_type="genomic DNA"
/db_xref="taxon:9913"
<1. . . 20
                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                                /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
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Matches 17; Conserv
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Best Local Similarity 85.0%;
Matches 17; Conservative
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AR023992
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Cros, P., Kurfurst, R., Battail, N. and Piga, N.
Process and device for assaying a hapten
Patent: US 5849480-A 5 15-DEC-1998;
Location/Qualifiers
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AR064875
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Christgau, S., Kofod, L. Venke., Anderse
Heldt-Hansen, H. Peter. and Dalboege, H.
Enzyme exhibiting mannanase activity
Patent: US 5795764-A 10 18-AUG-1998;
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Unknown.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Pred. No. 5.3e+02;
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Patent Location/Qualifiers
                                  ch 0.3%;
l Similarity 85.0%;
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Watson,J.D. and Tan,P.L.J.
Methods, and compounds for the treatment
                                                                                                                  Patent: US 5985287-A 83 16-NOV-1999;
Location/Qualifiers
                                                                                                                                                   1 (bases 1 to 20)
Tan,P., Skinner,M. and Prestidge,R.
Compounds and methods for treatment
                                                                                                                                                                                                   Unknown
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Similarity 85.0%;
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/mol_type="unassigned
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Pred. No. 5.3e+02;
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AR093312
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AR118958/c
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AR087520/c
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Best Local Similarity 85.0%;
Matches 17; Conservative
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Pitsch, S., Weiss, P.A. and Jenny, L.

Ribonucleoside-derivative and method for

Patent: US 5986084-A 1 16-NOV-1999;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                            Tan, P., Hiyama, J., Visser, E., Skinner, M., Mycobacterium vaccae antigens Mycobacterium 5 6001361-A 83 14-DEC-1999; Location/Qualifiers
1 (bases 1 to 20)
Uchida, T., Tanaka, Y., Matsuda, Y.
Antieense nucleic acid compound targeted to
Patent: US 6150092-A 84 21-NOV-2000;
                                                Unknown.
Unclassified.
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/mol_type="unassigned DNA"
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Uchida, K., Uchida, T., Tanaka, Y., Matsuda,
Antisense nucleic acid compound targeted
Patent: US 6150092-A 96 21-NOV-2000;
Location/Qualifiers
                                                                                                              Patent: US 6160093-A 83 12-DEC-2000;
Location/Qualifiers
                                                                                                                                                        1 (bases 1 to Visser, E.
                                                                                                                                                                           Unknown.
Unclassified.
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                                                                                                                                    Compounds and methods for treatment and diagnosis of mycobacterial infections
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RESULT 461 AR123335

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Bruice, T.C. and Dev, A.P.
Beoxymucleic alkyl thiourea compounds and Patent: US 6169176-A 1 02-JAN-2001;
Location/Qualifiers
                               A (bases 1 to 20)

Manoharan, M. and Maier, M.A.

Compounds, processes and intermediates backbone oligomeric compounds

Patent: US 6207819-A 1 27-MAR-2001;
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Sequence 1 from patent US
AR141070
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Morgan, S.Adrienne., Emtage, J.Spencer.,
Athwal, D.Singh.
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/organism="unknown"
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High throughput functional screening Patent: US 6274331-A 13 14-AUG-2001, Location/Qualifiers
                                                                                                                        ch 0.3%;
l Similarity 85.0%;
17; Conservative
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Huang, Z. and Szostak, J.W.
Simple and efficient method to label and modify 3'-termini of RNA
using DNA polymerase and a synthetic template with defined overhang
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Sequence 14 from patent US
AR154115
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Location/Qualifiers
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/mol_type="unassigned
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AL PATENT: JP 2002514385-A 26 21-MAY-2002;

GENESIS RESEARCH AND DEVELOPMENT CORP LTD

S Artificial Sequence
PN JP 2002514385-A/26
PD 21-MAY-2002
PF 23-DEC-1997 US 08/997362,23-DEC-1997 US 08/997080 PR

23-DEC-1997 US 08/996624,11-JUN-1998 US 09/095855 PR

17-SEP-1998 US 09/156181,04-DEC-1998 US 09/205426 PI PAUL

TAN,JAMES WATSON,ELIZABETH S VISSER,MARGOT A SKINNER,ROSS
PI L PRESTIDGE
PC C12N15/09,A61X31/711,A61X39/04,A61X48/00,A61P11/00,A61P11/06,PC
PC C12N15/09,A61X31/700,A61P31/06,A61P37/04,C07K14/35,C07K16/12,PC
PC C12N15/00,C12N1/21,C12N5/10,C12P21/08,C12Q1/02,G01N33/569,PC

G01N33/68/J
PC (C12N15/09,C12R1:32),C12N15/00,C12N15/00,C12R1:32)
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OS Homo sapiens
PN JP 2002355075-A/3
PD 10-DEC-2002
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PF 29-JAN-2001 US
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
1 (bases 1 to 20)
Krasanasis, S.K., Lin, Z. and Panec, R.L.
A Method for Creating Endothelial Cell Dysfunction In
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1 (bases 1 to 20)
Tan,P., Watson,J., Visser,B.S., Skinner,M.A. and Prestid,R.L.
Compositions derived from mycobacterium vaccae and methods fo
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JP 2002355075-A/3.
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Key Location/Qualifiers.
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29-JAN-2001 US 60/264780
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RESULT 469
CQ761462/c
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Best Local Similarity 85.0%;
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Patent: JP 2002510508-A 25 09-APR-2002;
THE UNIVERSITY OF IOWA RESEARCH FOUNDATION
OS Artificial Sequence
PN JP 2002510508-A/25
PD 09-APR-2002
PF 07-APR-1999 US 000542490
PF 07-APR-1999 US 09/056285
PI EDMIN M STONE, VAL C SHEPFIELD, WALLACE L PC C12N15/09, C12Q1/68, C12N15/00
CC Description of Artificial Sequence: prim
Key 1. . 20
FT source 1. . 20
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Sequence 80
CQ761462
CQ761462.1
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Antisense modulation of 1rh1 expression Patent: WO 2004003201-A 80 08-JAN-2004; Pharmacia Corporation (US)
Location/Qualifiers
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JP 2002510508-A/25.
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1 (bases 1 to 20)
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JP 2002510508-A/25
09-APR-2002
07-APR-1999 JP 2000542490
07-APR-1998 US 09/056285
EDWIN M STONE, VAL C SHEFFIELD, WALLACE L M ALWARD, JOHN FINGERT C12N15/09, C12Q1/68, C12N15/00
Description of Artificial Sequence: primer
Key Location/Qualifiers
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Location/Qualifiers
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Pred. No. 5.3e+0; Mismatches
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Pred. No. 5.3e+02;
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l Similarity 85.0%;
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Sequence 2494 from Patent CQ763876
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Sequence 1057 from Patent
CQ762439
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Koga,H.
Primers for synthesizing full length cDNA clones and Patent: EP 1396543-A 4268 10-MAR-2004;
Research Association for Biotechnology (JP)
Location/Qualifiers
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Sequence 4268 from Patent
CQ784128
CQ784128.1 GI:45538616
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CQ764249
CQ764249.1 GI:44907485
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Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki
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Pred. No. 5.3e+02
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               20 bp D
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synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
Ohashi,T., Jikuya,H. and Takano,J.
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                                                                                                                                                                                                                                                                                                                                                                                                 Transcription factor
Patent: WO 2004050881-A 30 17-JUN-2004;
Plant Bioscience Limited (GB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hordeum vulgare
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Lillopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 30 from CQ826892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Primers for synthesizing full length cDNA clones and their use Patent: EP 1396543-A 4269 10-MAR-2004; Research Association for Biotechnology (JP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y., Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and
                                                                         JP 1991049696-A/4.
                                                                                                        PCR primer to detect Bacillus E04579
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/mol type="unassigned DNA"
/db_xref="texon:32630"
/note="Description of Artificial Sequence:
synthesized primer se q uence"
                                                                                          GI:2172780
                                                                                                                                                                                                                                                                                                                         /organism="Hordeum vulgare"
/mol_type="unassigned DNA"
/db_xref="taxon:4513"
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Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
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USING THE SAME
PALENT: JP 1991049696-A 4 04-MAR-1991;
SHIMADZU CORP
OS Artificial gene
OC Artificial sequence; Genes.
OC Artificial sequence; Genes.
PU JP 1991049696-A/4
PD 04-MAR-1991
PF 18-JUL-1989 JP 1989185681
PF 0HASHI TETSUO, JIKUYA HIROYUKI, TAKANO JUN
PC C12Q1/68,C12Q1/04;
CC strandedness: Single;
CC topology: Linear.
       5393
                                                                                                                                                                    SOYAKU GIJUTSU KENKYUSHO: KK
OS None
OC Artificial sequences.
PN JP 1997052898-A/10
PD 25-FEB-1997
PP 09-AUG-1995 JP 1995224606
PI MIZUGUCHI MASARSUGU, KUROSAN
KOYANAGI YOSHIO,
PI YAMAMOTO NAOKI
PC COP121/04/JA61X31/70;
CC strandedness: Single;
CC topology: Linear;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: Yes;
FH Key Location/Qu:
FH Source /organism='/
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1 Similarity 85.0%;
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Mizughchi, M., Kurosaki, N., Makino, K., K
ANTI-HTLV-I ANTI-SENSE OLIGONUCLEOTIDE
Patent: JP 1997052898-A 10 25-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               unidentified
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JP 1997052898-A/10.
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    AAAAAATACAAAAAGAAA 5412
                                    Conservative
                                                                                                                                                      /organism='Artificial
                                                                                           /organism="unidentified'
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 5.3e+02;
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Local Similarity 85.0%;
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Heller,M.J. and Tu,E.
Active programmable electronic devices
analysis and diagnostics
Patent: US 5605662-A 16 25-FEB-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                          Sequence 16 from patent US 136180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PC (C12N1/19, C12R1:645), (C12N5/10, C12R1:91), (C12P21/02, C12R1:645), (C12P21/08, C12R1:91), C12N15/00, C12N5/00, (C12N5/00, C12R1:91) CC FH Key Location/Qualifiers
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                                                                                                                                                                                                                          Unknown.
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1 (bases 1 to 20)
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                                                                                                                                                                                                              Unclassified.
                    АВАВАВАТАСАВАВАВАВА 5412
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C12N15/09, C07K14/705, C07K16/28, C12N1/19, C12N5/10, C12P21/02,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Artificial Sequence
JP 1999123094-A/34
11-MAY-1999
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                                                Conservative
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                              /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 5.3e+02;
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AR212968
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1 Similarity 85.0%;
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AR211367
1 (bases 1 to 20)
Stone, B.M., Sheffield, V.C., Alward, W.L.M.
Glaucoma therapeutics and diagnostics
                                                                                                                                                                                                                                                                                                                   l (bases 1 to 20)
Baker, B.F. and Freder, S.M.
Antisense modulation of interleukin 12 p35
Patent: US 6399379-A 80 04-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Protection of partial complementary nucleic acid fragment electroconductive chip and intercalator Patent: US 6399305-A 5 04-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 20)
Makino,Y., Abe,Y., Takagi,M., Takenaka,S.,
Ogawa,M.
                                                Unknown
                                                           Unknown
                                                                                  AR212968.1
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/mol_type="unassigned DNA"
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S 6399379.
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AR216079/c
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Compounds and methods for treatment
infections
Patent: US 6406704-A 83 18-JUN-2002;
Location/Qualifiers
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Sequence
AR216079
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Sequence
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Unclassified.
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                                                                                                                                                     1 (bases 1 to 20)
Monia, B.P.
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Similarity 85.0%; Pred. No. 5.3e+02;
17; Conservative 0; Mismatches 3;
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llarity 85.0%;
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Location/Qualifiers
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/mol_type="genomic |
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                                                                                      /mol_type="genomic
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Pred. No. 5.3e+02
                                          Score 15.2; DB 1;
Pred. No. 5.3e+02;
0; Mismatches 3
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AR274394
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                                   TITLE
                                                        AUTHORS
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Sequence 55
AR274394
AR274394.1
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Sequence
AR222466
                              1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides att
                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 20)
Manoharan, M. and Maier, M.A.
Compounds, processes and intermediates
backbone oligomeric compounds
Patent: US 6462184-A 1 08-OCT-2002;
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Sequence 1 from patent US
AR236083
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Kurz,M., Lohse,P. and Wagner,R.
Peptide acceptor ligation methods
Patent: US 6429300-A 26 06-AUG-2002;
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US 6506564-A 55 14-JAN-2003;
Location/Qualifiers
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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                                                          Storhoff, J.J.,
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Best Local Similarity 85.0%;
Matches 17; Conservative
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Sequence
AR313765
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Griffais,R., Hoiseth,S.K., Zagursky,R.J., Metcalf,B.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydla pneumoniae polynucleotides and uses thereof
Patent: US 6559294-A 5533 06-MAY-2003;
Location/Qualifiers
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Griffais, R., Hoiseth, S.K., Zagursky, R.J.,
Sankaran, B. and Fletcher, L.D.
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Location/Qualifiers
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Unclassified.
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/organism="unknown"
/mol_type="genomic [
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Pred. No. 5
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Pred. No. 5.3e+02;
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AR365970
AR365970.1
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AR344936
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Manoharan, M., Connberg, H., Salo, H. and Aminooxy functionalized oligomers Patent: US 6576752-A 10 10-JUN-2003; Location/Qualifiers
                                              1 (bases 1 to 20)
Watson, J.D., Tan, P.L.J. and Prestidge, R.
Methods for the treatment of immunologically-mediated skin
                                                                                            Unknown.
Unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nanoparticles having oligonucleotides attached thereto and uses
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Unclassified.
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AR343047
                         Patent: US 6328978-A 83 11-DEC-2001;
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/mol_type="genomic
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from patent US 6576752.
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Pred. No. 5.3e+02;
0; Mismatches 3
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D; Mismatches
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Sequence
AR382312
                                                                                                                                                                  1 (bases 1 to 20)
Dobie, K.W. and Roach, M.P.
Antisense modulation of estrogen receptor alpha expression
Patent: US 6617162-A 90 09-SEP-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto
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Location/Qualifiers
                                                                                                                                                                                                                                         Unknown
                                                                                                                                                                                                                                                                                   Sequence 90 from AR397487
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nilarity 85.0%;
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llarity 85.0%; Pred. No. 5.3e
Conservative 0; Mismatches
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/mol_type="genomic
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/mol_type="genomic DNA"
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Sequence 21
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AR442609.1
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Kim,C.M., Park,H.K. and Jang,H.J.

Oligonucleotide for detection and identification

Patent: US 6670130-A 217 30-DEC-2003;

Location/Qualifiers
                                  1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides at
                                                                                                      Unknown
                                                                                                                                                       Sequence 55
AR447441
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides att
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Patent: US 6673548-A 55 06-JAN-2004;
Location/Qualifiers
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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85.0%; Pred. No. 5.
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AR454776.1
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17; Conserv
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and
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Mirkin, C.A., Letsinger, R.L., Mucic, R.C.,
Elghanian, R. and Taton, T.A.
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                                                                                                                        Patent: US 6682895-A 55 27-JAN-2004;
Location/Qualifiers
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Unclassified
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Location/Qualifiers
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/mol_type="genomic |
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/mol_type="genomic DNA"
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Pred. No. 5.3e-
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Pred. No. 5.3e+02;
0; Mismatches 3
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Sequence 99
AR492729
AR492729.1
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AR492696
AR492696.1
Wyatt,J.

Antisense modulation of EDG1 expression
Patent: US 6716975-A 99 06-APR-2004;
Location/Qualifiers
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Location/Qualifiers
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides att
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Sequence 55 from patent US
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Location/Qualifiers
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides att
                                                                                                                                Patent: US 6720411-A 55 13-APR-2004;
Location/Qualifiers
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llarity 85.0%;
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Location/Qualifiers
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/mol_type="genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         organiem="unknown"
                                                                                            /mol_type="genomic
                                                                                                         organism="unknown"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             _type="genomic DNA"
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                                              Score 15.2; DB 1;
Pred. No. 5.3e+02;
0; Mismatches 3
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Sequence 9 from Patent WO0067023.
AX045779
AX045779.1 GI:11344146
synthetic construct synthetic construct
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Patent: WO 0037607-A 6 29-JUN-2000;
GROS JEROME (FR) ; CENTRE NAT RECH SCIENT DONNY (FR) ; GERHARDT CINDERELLA (NL)
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Sequence 6 from Patent WO0037607.
AX026213
AX026213.1 GI:10187623
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Method for isolating anionic organic substances
systems using cationic polymer nanoparticles
Patent: WO 9910527-A 5 04-MAR-1999;
SUEDDBUTSCHE KALKSTICKSTOFF (DE); BAYER ERNST (I
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Sequence 5 from Patent WO9910527.
AX004876
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Similarity 85.0%;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
0; Mismatches 3;
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AX045790/c
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Matches 17; Conserve
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Screening for immunostimulatory dna functional modifyers
Patent: WO 0067023-A 9 09-NOV-2000;
CPG Immunopharmaceuticals GmbH (DE) ; UNIVERSITY OF IOWA RESEARCH
FOUNDATION (US)
                                                                                               AX045790 20 bp
Sequence 20 from Patent WO0067023.
AX045790
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Screening for immunostimulatory dna functional modifyers
Patent: WO 0067023-A 17 09-NOV-2000;
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synthetic construct
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 Noll, B.O.,
                              artificial
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 Schetter, C.
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Pred. No. 5.3e+02;
and Krieg, A.M.
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Sequence 226 from Patent
AX104034
AX104034.1 GI:13920231
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                                                                                   Krieg, A.M., Schetter, C. and Vollmer, J. C
Immunostimulatory nucleic acids
Patent: WO 0129972-A 556 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION
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Patent: WO 0122972-A 226 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
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/mol_type="unassigned DNA"
/db_xref="taxon;32630"
organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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|mol_type="unassigned DNA"
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85.0%; Pred. No. 5.3e+02;
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AX115662
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Sequence 560 from Patent WO0122972.
AX104368
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Immunostimulatory mucleic acids
Patent: WO 0122972-A 772 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 560 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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85.0%; Pred. No. 5.3e+02;
tive 0; Mismatches 3;
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Pred. No. 5.3e+02;
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AX136903/c
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AX135957/c
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Sequence 5 1
AX136903
AX136903.1
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synthetic construct
artificial sequences.
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Sequence 9 from Patent WO0132693.
AX135957 GI:14272164
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Trp-protein-related mtr1 protein and dna sequence coding therefor patent: WO 0132693-A 9 10-MAY-2001;
Johannes Gutenberg-Universitaet Mainz (DE)
Location/Qualifiers
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Sequence 785 from Patent
AX115662
Makino,Y., Abe,Y., Ogawa,M., Yamashita,K.
                                                              synthetic construct synthetic construct
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                                              artificial sequences
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Similarity 85.0%;
17; Conservative (
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol type="unassigned DNA"
/db xref="texon:32630"
/noEe="primer"
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from Patent EP1065278
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Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
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WO0129262.
                Takagi, M.,
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Best Local Similarity
Matches 17; Conserv
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                                                                                                                                 Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J. Elghanian, R., Taton, T.A. and Li, Z.
Nanoparticles having oligonucleotides attached thereto
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Sequence 55 from Patent WO0151665.
AX196224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mutant er_g(a) and test systems for transactivation Patent: WO 0142307-A 52 14-JUN-2001; Sumitomo Chemical Company, Limited (JP)
Location/Qualifiers
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                                                                                                                                                                                                          synthetic construct
synthetic construct
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AX167868
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                                                                                         Nanosphere,
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                                                                                                     Patent: WO 0151665-A 55 19-JUL-2001;
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/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="Designed oligonucleotide primer for
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Pred. No. 5.3e+02;
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Pred. No. 5.
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Best Local Similarity 85.0%;
Matches 17; Conservative
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                         3392 GGCTGGACCAGACAACTCTG 3411
                                                                                                                                                                                                 Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of nucleic sequence differences using ligase detection reaction Patent: WO 0179548-A 7842 25-OCT-2001; CORNELL RESEARCH FOUNDATION, INC. (US)
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Sequence 7842 from Patent
AX296080
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Nanoparticles having oligonucleotides attached thereto and uses
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|mol_type="unassigned DNA"
|db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                             /note="Hypothetical Probe Sequence"
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tive 0; Mismatches 3; Indels
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Sequence 2 from Patent WO0197843.
XX354974
           AX355810 20 bp
Sequence 838 from Patent WO0197843.
AX355810 31:18620478
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UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/mb xref="taxon.32630"
/noTe="Synthetic oligonucleotide-phosphodiester
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Pred. No. 5.3e+02;
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UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J., Elghanian,R., Taton,T.A., Park,S.J. and Li,Z. Nanoparticles having oligonucleotides attached thereto therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent: WO 0197843-A 839 27-DEC-2001; UNIVERSITY OF IOWA RESEARCH FOUNDATION
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Methods for enhancing antibody-induced cell lysis and treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cancer
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Methods for enhancing antibody-induced cell lysis and
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/mol_type="unassigned DNA"
/mol_type="taxon:32630"
/moFe="Synthetic oligonucleotide-phosphodiester backbone"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Local Similarity 85.0%;
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AX465311
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                                                                                                                                                              synthetic construct synthetic construct
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                                                                          WO 0218643-A 55 07-MAR-2002;
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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Pred. No. 5.3e+02;
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Matches 17
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Query Match 0.3%; Score 15.2; DB 1. Best Local Similarity 85.0%; Pred. No. 5.3e+02
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AX487450.1
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Sequence 70 from Patent WO0218643.
AX465326
                                                                                                                                                                                                                                    Roemer,T., Jiang,B., Boone,C., Bussey,H. and Ohlsen,K.L gene disruption methodologies for drug target discovery Patent: WO 02053728-A 4750 11-JUL-2002; Elitra Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                                                           Candida albicans
Candida albicans
Candida albicans
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.
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nilarity 85.0%;
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                                                                                                                                          /organism="Candida albicans"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
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RESULT 532
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AX512820
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Best Local Similarity 85.0%;
Matches 17; Conservative
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AX547087
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Sequence 56 from Patent WO0230974.
AX527802
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patent: WO 0230974-A 56 18-APR-2002;
Curagen Corporation (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                     synthetic construct synthetic construct
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                                                                                                                                                0.3%; Score 15.2; DB 1;
larity 85.0%; Pred. No. 5.3e+02;
Conservative 0; Mismatches 3;
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 226 from
                                                                                                                                                                                                                     /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                          'note="oligonucleotide primer"
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Patent WO02053141.
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Pred. No. 5.3e+02;
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Inhibition of angiogenesis by nucleic Patent: WO 02053141-A 226 11-UTL-2002; Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
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Inhibition of angiogenesis by nucleic
Patent: WO 02053141-A 556 11-JUL-2002,
Coley Pharmaceutical Group, Inc. (US)
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Bratzler,R.L. Inhibition of angiogenesis by nucleic acids Patent: WO 02053141-A 560 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
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/mol_type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Synthetic Sequence"
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                                                      /organism="synthetic construct"
/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
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/note="random synthetic sequence"
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Score 15.2; DB 1;
Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
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THE DEPARTMENT OF HEALTH & HUMAN SERVICES (US)
Location/Qualifiers
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                                                                                                                       /organism="unidentified"
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mol_type="unassigned DNA"

b_xref="taxon:32630"
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Sequence 5 from Patent WO0246398.
AX664307
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AX664308
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The University of Houston System (US)
Location/Qualifiers
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Nucleic acid
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Patent: WO 02
Willson, R.C.
                                          synthetic construct synthetic construct
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                            artificial sequences.
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                               /note="Synthetic Oligonucleotide Sequence"
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                                                                                    GI:29164238
 and Murphy, J.C.
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85.0%; Pred. No. 5.3e+02
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Sequence 14 from Patent W003027328.
AX741040
AX741040.1 GI:30523901
              Kirtsen,N.V., Hyldig-Nielsen,J.J. and Williams,B.P. Methods, kits and compositions pertaining to the suppression detectable probe binding to randomly distributed repeat seque in genomic nucleic acid patent: WO 03027328-A 26 03-APR-2003;
Boston Probes, Inc. (US), DakoCytomation Denmark A/S (DK)
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Sequence 26 from Patent
AX741052
AX741052.1 GI:30523913
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Patent: WO 0246398-A 6 13-JUN-2002;
The University of Houston System (U
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Nucleic acid separation using immobilized metal affinity
                                                                                     organism="synthetic construct"
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/db_xref="taxon:32630"
                                                                      /note="Synthetic Oligonucleotide Sequence"
                Score 15.2; DB 1;
Pred. No. 5.3e+02;
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                                 Length 20;
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Gaps
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Kirtsen, N.V., Hyldig-Nielsen, J.J. and Williams, B.F. Methods, kits and compositions pertaining to the suppression of detectable probe binding to randomly distributed repeat sequences in genomic nucleic acid Patent: WO 03027328-A 14 03-APR-2003; Boston Probes, Inc. (US); DakoCytomation Denmark A/S (DK) / 1. .20
/organism="synthetic construct"
/organism="genomic DNA"
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/note="pescription of Combined DNA/RNA Molecule:Synthetic
/note="pescription of Combined DNA/RNA Molecule:Synthetic Score 15.2; DB 1; Pred. No. 5.3e+02; بر Length 20; Indels linear PAT 10-MAY-2003 ٥, Gaps 0

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PAT 10-MAY-2003

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                                   PATENT: JP 2001503969-A 26 27-MAR-2001;
GENESIS RESEARCH & DEVELOPMENT CO LTD
OS Unidentified
PN JP 2001503969-A/26
PD 27-MAR-2001
PF 28-AUG-1997 JP 1998511516
PR
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LINDA M
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Tan,P., Hiyama,J., Visser,B.S., Skinner,M.A.,
Prestidge,R.L.
Compounds and methods for treatment and diagnotinfections
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                                                                                                                                                                                                                                                                                                      Compounds and methods for treatment and diagnosis of Mycobacterial
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           PAUL TAN, JUN HIYAMA, ELIZABETH S VISSER, MARGOT A SKINNER, A M SCOTT,
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Pred. No. 5.3e+02;
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PF 17-AUG-1998 UP 2000509723
PF 18-AUG-1998 UP 2000509723
PR 18-AUG-1997 CH 1931/97
PI STEFAN PITSCH, PATRICK A WEISS, LUZI JENNY
PC C07H19/06, C07F7/18, C07H19/16, C07H21/02, C07H23/00 CC
Description of Artificial Sequence: synthetic polynucleotide FH
Key
FT source 1, 20
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                                         BD107450 20
Method of detecting single b
BD107450
BD107450.1 GI:23202268
JP 2002034599-A/9.
synthetic construct
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synthetic construct
artificial sequences.
1 (bases 1 to 20)
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Pitsch,S., Weiss,P.A. and Jenny,L.
Pitsch,S., Weiss,P.A. and Jenny,L.
Ribonucleoside-derivative and method for preparing the same
Patent: JP 2001515087-A 1 18-SEP-2001;
STEPAN PITSCH,PATRICK A WEISS,LUZI JENNY
OS Artificial Sequence
PN JP 2001515087-A/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BD080522
BD080522.1 GI:22626125
JP 2001515087-A/1.
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synthetic construct
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Ribonucleoside-derivative
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                                                                                                                                                                                                                                                                       h 0.3%;
Similarity 85.0%;
17; Conservative
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Strandedness: Single;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                             /organism='Artificial
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
/mol_type="genomic RNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       85.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.3%;
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                                                                                                                                                                                                                                                                        Score 15.2; DB 1;
Pred. No. 5.3e+02;
0; Mismatches 3
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Pred. No. 5.3e+02
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e base
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                                                                                                             polymorphism
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                                                                                                                              linear
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BD128052
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TITLE
Query Match
Best Local Similarity
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Method of detecting single base polymorphism
L Patent: JP 2002034599-A 9 05-FEB-2002;
TOYOBO CO LTD
OS Artificial Sequence
PN JP 2002034599-A/9
PD 05-FEB-2002
PP 06-JUL-2000 JP 2000225354
PI MASAYA SEGAWA, HIROSHI TAKARADA, TOSHIYA AONO, C12Q1/68, C12N15/09, C12N15/00
CC Description of Artificial Sequence: FT Key
FT Source /organism='Artificial Sequence
FT Source /organism='Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5393 AAAAAAATACAAAAAAGAAA 5412
                                                                                                   PC C12P21/02,C12Q1/68//C12P21/08,G06F17/30,C12N1/21,C12N5/
Description of Artificial Sequence: an artificially CC
Synthesized primer
CC sequence
FM Key
FT Source
Location/~
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Ota,T., Nishikawa,T., Isoga
Wakamatsu,A., Sugiyama,T.,
                                                                                                                                                                                                                                                                  unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BD128052.1 GI:23222997 JP 2002017375-A/3483.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Primer for synthesizing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         unclassified.
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07-JUL-2000 JP 2000253172
TOSHIO OTA, TETSUO NISHIKAWA, TAKAO ISOGAI, KOJI HAYASHI, SHIZUKO
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                                                                                                                                                                                                                                                                YURI KAWAI, AI WAKAMATSU, TOMOYASU SUGIYAMA, KEIICHI NAGAI,
                                                                                                                                                                                                                                                                                                                                   JP 2002017375-A/3483
                                                                                                                                                                                                                                                                                                                                                 Jnidentified
                                      /organism="unidentified"
/mol_type="genomic_DNA"
/db_xref="taxon:32644"
                                                                                       /organism='Unidentified'
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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85.0%; Pred. No. 5.3e+02
0.3%;
85.0%;
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a,T., Nagai,K., Kojima,
Score 15.2; DB 1;
Pred. No. 5.3e+02;
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full-length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CDNA
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Kojima,S., Otsuki,T. and
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SOURCE
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BD138642
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BD128053
LOCUS
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ACCESSION
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ORGANISM
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Best Local S
Matches 17
                           AUTHORS
TITLE
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HELIX RESEARCH INSTITUTE
OS Unidentified
PN JP 2002017375-A/3484
PD 22-CAN-2002
PD 22-CAN-2002
PF 707-UUL-2000 JP 200025
PI TOSHIO OTA, TETSUO NISI
PI ISHII,
PI YURI KAWAI, AI WAKAMAT
                                                                                                                                        BD138642
A novel gene and uses the
BD138642
BD138642.1 GI:23233587
JP 2002505844-A/7
artificial sequences.

1 (bases 1 to 20)
Zimmet,P.Z. and Collier,G.
A novel gene and uses therefor
Patent: JP 2002505844-A 7 26-FEB-2002;
INTERNATIONAL DIABETES INSTITUTE, DEAKIN UNIVERSITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17;
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PC C12P21/02,C12Q1/68//C12P21/08,G06F17/30,C12N15/00,C12N5/00
Description of Artificial Sequence: an artificially CC
synthesized primer
CC sequence
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Ota,T., Nishikawa,T., Isogai,T., Hayashi,K.,
Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,
                                                                                                           synthetic construct synthetic construct
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SHINICHI KOJIMA,
PI TETSUJI OTSUKI,HISASHI KOGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Primer for synthesizing full-length cDNA and use thereof Patent: JP 2002017375-A 3484 22-JAN-2002;
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                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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gene and uses therefor.
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism='Unidentified'
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Pred. No. 5.
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AUTHORS
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Best Local Similarity
Matches 17; Conserv
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                                Balzerque, S.

Balzerque, S.

Birect Submission

Submitted (21-Nov-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue

Submitted (21-Nov-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue

Gaston Cremieux, 91057 Evry cedex, FRANCE

PCR was performed on DNA from transformants of Arabidopsis thaliana

plants from INRA (Versailles). The DNA fragment(s) resulting from

the PCR were directly sequenced from the left or the right border

to determine the genomic sequence flanking the insertion. T-DNA

derived sequences were removed. Information to order the

corresponding mutant line and a link to a database providing a-

graphical display of the insertion site are available at

http://dbsgap.versailles.inra.fr.publiclines/. This sequence has

been generated in the framework of the French plant genomics

program 'Genoplante' (http://www.genoplante.com and

http://genoplante-info.infobiogen.fr).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1262
                                                                                                                                                                                                                                                                                                                                                                                        of pre-insertion sites EMBO Rep. 3 (12), 1152-1157 (2002) 22363535
                                                                                                                                                                                                                                                                                                                                                                                                                                              Brunaud, V., Balzergue, S., Dubreucq, B., Aubourg, Chauvin, S., Bechcold, N., Cruaud, C., DeRose, R., Lepiniec, L., Caboche, M. and Lecharny, A.
T-DNA integration into the Arabidopsis genome of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    left border; T-DNA flanking sequence.
Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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PN JP 2002505844-A/7
PD 26-FEB-2002
PF 30-OCT-1998 JP 2000519076
PF 31-OCT-1997 AU PP 0323 PI 31-OCT-1997 AU PP 0323 PI PAUL ZEV ZIMMET, GREGORY COLLIER
PAUL ZEV ZIMMET, GREGORY COLLIER
PC C12N15/09, A61K31/711, A61K38/00, A61K39/395, A61K45/00, A61K48/00, PC A61P1/14,
PC A61P1/14,
PC A61P3/04, A61P3/10, A61P3/12, C07K14/47, C07K16/18, C12P21/ PC
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Description of Artificial Sequence:Synthetic
Key
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
               organism="Arabidopsis thaliana"
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Pred. No. 5.3e+02;
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Rose,R., Pelletier,G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  genome depends on sequences
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AR069093
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Sequence 4
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1 Similarity 85.0%;
17; Conservation
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AR014600
                          l Similarity
17; Conserv
                                                                                                                        Streptococcus pneumoniae 37-KDA surface nucleic acids coding therefor Patent: US 5854416-A 4 29-DEC-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Falco, S.Carl., Keeler, S.Jo. and Rice, J.Anr
Chimeric genes and methods for increasing
content of the seeds of plants
Patent: US 5773691-A 25 30-JUN-1998;
                                                                                                                                                                                  1 (bases 1 to 21)
Sampson, J.S., Russell, H.,
                                                                                                                                                                                                                            Unknown
                                                                                                                                                                                                                                                                    AR069093.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 21) Falco, S. Carl., Kee
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left border"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="unassigned
                                                                               /mol_type="unassigned
                                                                                               organism="unknown"
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/clone="186H12"
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                                       Score 15.2; DB 1;
Pred. No. 5.5e+02;
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Pred. No. 5.3e+02;
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CQ798162
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AR163473/c
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Sequence 16
AR163473
AR163473.1
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Sequence
AR145615
                                                                                                              CQ798162
Sequence 69
CQ798162
CQ798162.1
                                                                                                                                                                                                                                                                                                                                                    Treco, D.A., Heartlein, M.W., Hauge, B.M.
Protein production and delivery
Patent: US 6270989-A 16 07-AUG-2001;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 21)
Sampson,J.S., Russell,H., Tharpe,J.A., Ades,E.W. and Carlone,G.M.
Streptococcus pneumoniae 37-kDa surface adhesin a protein
Patent: US 6217884-A 4 17-APR-2001;
Location/Qualifiers
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                                                                          Homo sapiens (human)
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Polypeptides and nucleic acids encoding these and their use prevention, diagnosis or treatment of liver disorders and
                          Guelly, C., Buck, C. and Zatloukal, K.
                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                    Unclassified.
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/mol_type="unassigned
                                                                                                                                                                                                                                                                                                                 /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                              organism="unknown"
                                                                                                                GI:46426573
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Patent: WO 2004029287-A 69 08-APR-2004;
Oridis Biomed Forschungs - und Entwicklungs
Location/Qualifiers
                                                                                                        1 (bases 1 to 21)
Falco,S.C., Keeler,S.J. and Rice,J.A.
Chimeric genes and methods for increasing
content of the seeds of plants
Patent: US 6459019-A 25 01-OCT-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 21) Falco, S.C., Keeler, S.J. and Rice, J.A. Falco, S.C., Keeler, S.J. and Rice, J.A. synthetic storage proteins with defined structure containing programmable levels of essential amino acids for improvement nutritional value of plants Patent: US 555923-A 17 24-SEP-1996;
                                                                                                                                                                                             Unknown
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/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
                                                                      /organism="unknown"
/mol_type="genomic DNA"
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Pred. No. 5.5e+02;
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Baric,R.S. and Yount,B.
Baric,R.S. and Yount,B.
Directional assembly of large viral genomes and chromosomes
Patent: US 6593111-A 9 15-JUL-2003;
Location/Qualifiers
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Sequence 9 from patent US
AR353834
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing diseguilibrium map of the human genome Patent: US 6537751-A 10092 25-MAR-2003;
Location/Qualifiers
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Sequence 10092 from patent
AR298357
                                synthetic construct
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                    artificial sequences.
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Knebel-Doeberitz,M.
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                                                                                                                                                                                                                                                      /mol_type="genomic
                                                                                                                                                                                                                                                                  organism="unknown"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="unknown"
                                                                                         from Patent WO9950445.
                                                                  GI:10041493
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Pred. No. 5.5e+02;
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Pred. No. 5.5e+02;
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AX179339/c
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AX179338
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Sequence 40 from Patent W00127277.
AXI79339
AXI79339.1 GI:14599010
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Sequence 39 from Patent WO0127277.
AX179338
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                                                                              Shimkets,R.A., Lichenstein,H. and Boldog,F.L. Proteins and polynucleotides encoded thereby Patent: WO 0127277-A 40 19-APR-2001; Curagen Corporation (US)
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="20604798 S3"
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/mol type="unassigned DNA"
/db xref="taxon:32630"
/noEe="primer"
        organism="synthetic construct"
|mol_type="unassigned DNA"
|db_xref="taxon:32630"
                                                                  Location/Qualifiers
note="20604798 S4"
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Sequence 251 from Patent W00153520.
AX203621
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                                                                                                                                                                                                                                                                                                                 synthetic construct synthetic construct
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AX284109
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                           WO 0179487-A 74 25-OCT-2001;
Klaus Karl (DE); Besch, Rob
                                                                                                           /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Beschreibung der kunstlichen
Sequenz:Polydesoxyribonukleotid"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX358619/c
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AX418290
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Sequence 123 from Patent
AX449788
AX449788.1 GI:21698296
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Streptococcus pneumoniae
Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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Sequence 4 from Patent WO0204497.
AX418290 GI:21523281
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Directional assembly of large viral genomes and chromosomes
Patent: WO 0190340-A 7 29-NOV-2001;
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL (US)
Location/Qualifiers
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Sequence 7 from Patent |
AX358619
AX358619.1 GI:18675153
synthetic construct synthetic construct
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The Secretary, Department of Health
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:1313"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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AX717124
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17; Conser
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Von willebrand factor (vwf) cleaving protease polypeptide, nucleic acid encoding the polypeptide and use of polypeptide Patent: WO 0242441-A 33 30-MAY-2002;
Baxter Aktiengesellschaft (AT)
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Sequence 33 from Patent W00242441.
AX452347
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Late gestation lung genes, fragments and uses thereof Patent: WO 03020766-A 5 13-MAR-2003; McGILL UNIVERSITY (CA); The Hospital for Sick Childre
                                                                                              synthetic construct
synthetic construct
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AX717124
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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AX825103/c
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AX768037
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Sequence 10 from Patent WO03044202.
AX768037.1 GI:32436709
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17; Conserv
                                                                                                       Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucle Patent: WO 03072818-A 1 04-SEP-2003; Degussa Bioactives GmbH (DE)
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Genethon III (FR); INSTITUT NATIONAL
RECHERCHE MEDICALE (INSERM) (FR)
Location/Qualifiers
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           Sequenz: Capture-Oligonukleotid"
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                                      organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon;32630"
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/db_xref="taxon:32630"
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/noTe="PCR Primer"
                         note="Beschreibung der kuenstlichen
                                                                                            Location/Qualifiers
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Sequence 2 from Patent WO03072818.
AX825104
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'mod_base=OTHER
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/mod_base=OTHER
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Sequence 3 from Patent WO03072818.
AX825105
AX825105.1 GI:39750834
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Sequence 16 from Patent W003072818.
AX825118
AX825118.1 GI:39750847
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Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucle Patent: WO 03072818-A 16 04-SEP-2003;
                                                      synthetic construct
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/mod_base=OTHER
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Beschreibung der kuenstlichen
sequenz:Capture-Oligonukleotid"
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                                            note="LNA-T (Locked Nucleic
                                                                                        note="LNA-T (Locked Nucleic Acid)"
                                                                                                                                     note="LNA-T (Locked Nucleic Acid)"
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Pred. No. 5.5e+02;
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WO03072818
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AX825133/c
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Sequence 31 from Patent WOO3072818.
AX825133
AX825133.1 GI:39750862
                                                                                                                                  Ch 0.3%; Score 15.2; DB 1; Similarity 85.0%; Pred. No. 5.5e+02; 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Beschreibung der kuenstlichen
sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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Pred. No. 5.5e+02;
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RESULT 579
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Sequence 50 from Patent WO03072818.
AX825152
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                                                                                                                                                  Boekenkamp, D., Dieck, T.H. and Hoppe, H.U. Method for sorting single-stranded nucleic acids Patent: WO 03072818-A 50 04-SEP-2003; Degussa Bioactives GmbH (DE)
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                                         Sequenz: Capture-Oligonukleotid"
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                                                         /organism="synthetic construct"
/mal_type="unassigned DNA"
/mal_type="taxon:32630"
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                                                                                                                                  Location/Qualifiers
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/mod_base=OTHER
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         _bound_moiety="Biotin"
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Pred. No. 5.5e+02;
                                                         der kuenstlichen
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AX825153/c
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synthetic construct
artificial sequences.
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Sequence 51 from Patent W003072818.
AX825153
AX825153.1 GI:39750882
 0.3%;
ilarity 85.0%;
Conservative
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/noTe="Beschreibung der kuenstl
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85.0%; Pred. No. 5.5e+02
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Score 15.2; DB 1;
Pred. No. 5.5e+02;
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             Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucleic acids Patent: WO 03072818-A 53 04-SEP-2003;
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AX825154.1 GI:39750883
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/note="Beschreibung der kuenstlichen
sequenz:Capture-Oligonukleotid"
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AX825157.1 GI:39750886
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Sequence 63 from Patent
AX825165
AX825165.1 GI:39750894
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                                                                                                                                                               Boekenkamp,D., Dieck,T.H. and Hoppe,H.U. Method for sorting single-stranded nucle Patent: WO 03072818-A 63 04-SEP-2003; Degussa Bioactives GmbH (DE)
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63 from Patent WO03072818
                                                        /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="texon:32630"
/note="Beschreibung der kuenstlichen
sequenz:Capture-Oligonukleotid"
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Sequenz:Capture-Oligonukleotid"
 /note="LNA-T (Locked Nucleic Acid)"
                                                                                                                                                   Location/Qualifiers
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/mod_base=OTHER
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                            bound_moiety="Biotin"
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Pred. No. 5.5e+02;
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BD010392
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Best Local Similarity
Watches 17; Conserv:
RESULT 588
BD089907/c
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1 (bases 1 to 21)
Palco,S.C., Iii,R.E.M. and Epelbaum,S.U.
TITLE Chimeric genes and methods for increasing the seeds of plants
JOURNAL FI DU PONT DE NEMOURS AND CO
VENT OS Unidentified
PN JP 2001502923-A/24
PD 06-MAR-2001
PF 27-MAR-1999
PR 27-MAR-1999
PR 27-MAR-1999
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Chimeric genes and methods
seeds of plants.
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C C12M9/06, C12M9/12, C12N9/88, C12P13/08, C12N15/82
Strandedness: Single;
CC Topology: Linear;
FH Key Location/Qualifiers
FT source 1.21
FT source 1.21
FT /organism='Unidentified'.
                                                                       GAAGAAGGAGGAGCTGAAGG 589
                                                  GATGGAGGAGAAGCTGAAGG
                                                                                                                                                                                                                                                                                           06-MAR-2001
27-MAR-1998 JP 1998543284
27-MAR-1997 US 08/824627
SAVERIO CARL FALCO, RAYMOND ERVIN MCDEVITT III,
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Location/Qualifiers
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/mod_base=OTHER
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Pred. No. 5.5e+02
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Pred. No. 5.5e+02;
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BD144906/c
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Best Local Similarity 85.0%;
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                                      source
                                                                  A method of detecting human phase i enzymes of drug-metabolizing and a probe and a kit therefor AL Patent: JP 2002142780-A 118 21-MAY-2002;
OTSUKA PHARMACEUTICAL PACTORY INC OS Homo sapiens (human)
PN JP 2002142780-A 118
PD 21-MAY-2002
PP 28-AGG-2001 JP 2001257338
PI 28-AGG-2001 JP 2001257338
PI MASUHIRO NISHIMURA, HIROSHI YAGUCHI, SHINSAKU NAITO, ISAO HIRAOKA PC C12N15/09,C12Q1/68,C12N15/00
CC human ALDH4 gene
PH Key Location/Qualifiers
FT Source 1.21
/organism='Homo sapiens (human)'
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OS Artif
PN JP 20
PD 20-NC
PF 12-MA
PI EIICH
PC C12N1
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1 (bases 1 to 21)

Nishimura, M., Yaguchi, H., Naito, S. and Hiraoka, I.

A method of detecting human phase i enzymes of drug-metabolizing
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BD144906.1 GI:27850664
JP 2002142780-A/118
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A method of detecting human pha and a probe and a kit therefor.
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Patent: JP 2001321190-A 2151 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
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1 (bases 1 to 21)
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JP 2001321190-A/2151
20-NOV-2001
12-MAR-2001 JP 2001068285
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C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566,
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/organism="Homo sapiens"
/mol_type="genomic DNA"
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Pred. No. 5.5e+02;
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AX530368/c
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RS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.

Regulation of repressor genes using nucleic acid molecules requires to 2002541795-A 5459 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC

OS EUKARYOTE
PN JP 2002541795-A/5459
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PF 11-APR-1999 US 60/129390
PI 12-APR-1999 US 60/129390
PI 12-APR-1999 US 60/12930
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                    (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00, A61K37/02, (C12N5/00, C12R1:91)
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Sequence
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Homo sapiens
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, E
Mammalia, Eutheria, Primates, Catarrhini, Hominidae,
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Sequence 6766 from Patent
CQ622026
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                                                                                                                                                                                Homo sapiens (human)
Homo sapiens
                                                                                                                Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Myosin-like gene expressed in human heart Patent: WO 0192524-A 6765 06-DEC-2001;
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Shannon,M.B.
                                                                                  Myosin-like gene expressed in human heart and Patent: WO 0192524-A 6766 06-DEC-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Similarity 100.0%; Pred. No. 5.2e+02;
15; Conservative 0; Mismatches 0;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/db_xref="taxon:9606"
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Sequence
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.B.
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                                                                                                                                                                                             Polynucleotide encoding a human myosin-like predominantly in heart and muscle Patent: US 6686188-A 6765 03-FEB-2004;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                               /organism="unknown"
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/db_xref="taxon:9606"
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100.0%; Pred. No. 5.2e+02;
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AR463090
AR463090.1
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Sequence 670
AR463089
AR463089.1
                                                                                                               Sequence 2061 from Patent
AX736471
AX736471.1 GI:30515759
                                                                                                                                                                                                                                                                                                                                                          Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 6767 03-FEB-2004;
Location/Qualifiers
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Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour reversion, apoptosis and/or resistance to
                                                                          Homo sapiens (human)
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15; Conserv
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GL,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W.
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Mammalia; Eutheria; Primates;
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/mol_type="genomic
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/mol_type="genomic
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                                                                                            Substrate for detecting UL9 helicase activity Patent: US 6096502-A 25 01-AUG-2000; Location/Qualifiers
                                                                                                                                    1 (bases 1 to 18)
Lee, S.S.-K.
                                                                                                                                                                                  Unknown
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequences involved in tumoral suppression, appoptosis and/or viral resistance phenomena
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: WO 03025177-A 2061 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                              Unknown.
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0.3%; Score 15; DB 1; Li
ilarity 100.0%; Pred. No. 5.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                    /organism="unknown"
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Sequence 272
AR072469
AR072469.1
2202512046-A/59.
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Primers and methods for detecting mutations in the procollagen gene (COL2A1) that indicate a genetic predisposition for a COL2A1-associated disease

COL2A1-associated disease

Patent: US 5948611-A 272 07-SEP-1999;
Location/Qualifiers
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Sequence 7301 from patent
AR295566
AR295566.1 GI:31682850
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272 from patent US 5
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/mol_type="genomic DNA"
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100.0%; Pred. No. 5.7e+02;
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OS Mus muscus
PN JP 200251:
PD 23-APR-20
PF 23-APR-19:
PR 
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                CQ817214 20 bp DN Sequence 81 from Patent WO2004041863. CQ817214 CQ817214.1 GI:48145354
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 20)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Silence, K., Lauwereys, M. and Dreier, T. Stabilized single domain antibodies Stabilized Single domain antibodies Patent: WO 2004041865-A 43 21-MAY-2004,
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Lama glama
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Tylopoda; Camelidae; Lama.
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Quantitative assay of gene expression.
Key Location/Qualifiers
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23-APR-1998 US 09/0656
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                                                                                                                                                                                                                                                                                                                                                                       /organism="Lama glama"
/mol_type="unassigned DNA"
/db_xref="taxon:9844"
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/mol_type="genomic DNA"
/db_xref="taxon:10090"
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tive 0; Mismatches
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Sequence 7
AR219165
l (bases 1 to 20)
Riabowol, K.T., Garkavtsev, I. and Gudkov, A.
Method of modulating p53 activity
Patent: US 6420136-A 7 16-UUL-2002;
Location/Qualifiers
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Sequence 97 from Patent WO2004041867.
CQ818322
CQ818322.1 GI:48427010
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Ablynx N.V. (BE)
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Gukaryota, Metazoa; Chordata, Craniata, Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Tylopoda; Camelidae; Lama.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Tylopoda; Camelidae; Lama.
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/mol_type="unassigned
/db_xref="taxon:9844"
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/mol_type="unassigned |
/db_xref="taxon:9844"
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                                                                                                                                                                                                                 Unclassified.

1 (bases 1 to 20)
Israell, R.S., Heston, W.D.W., Fair, W.R., Ouerfelli, O. Prostate-specific membrane antigen and uses thereof Patent: US 6569432, A 118 27-WAY-2003;
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llarity 100.0%; Pred. No. 5.
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                                              1 (bases 1 to 21)
Payne, J.M., Kennedy, M.Keith.,
Ulck, H.Jane., Foncerrada, L.,
                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 21)
Payne, J.M., Kennedy, M. Keith., Randall, J. Brookes., Meier, H.,
Uick, H. Jane., Foncerrada, L., Schnepf, H. Brnest., Schwab, G.E. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent: US 5753492-A 34 19-MAY-1998;
Location/Qualifiers
Bacillus thuringiensis toxins active against hymenopteran pests Patent: US 6077937-A 27 20-JUN-2000; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unknown
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Schnepf, H. Ernest., Schwab, G. B., Payne, J., Narva, K. E.
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/mol_type="unassigned DNA"
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Narva,K.E., Schwab,G.E. and Payne,J.M.

Gene encoding nematode-active toxin PS63B cloned from Bacillus thuringiensis isolate
Patent: US 5439881-A 13 08-AUG-1995;

Location/Qualifiers
                                                                                                                                                                                                     1 (bases 1 to 21)
Payne, J.M., Kennedy, M.Keith., Randall, J.B., Meier, H., Uick, H.J.,
Foncerrada, L., Schnepf, H.Ernest., Schwab, G.E. and Fu, J.
Bacillus thuringiensis toxins active against hymenopteran pests
Patent: US 5596071-A 27 21-JAN-1997;
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/mol_type="unassign
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/mol_type="unassigned DNA"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Schnepf.H.E., Schwab,G.E., Payne,J., Narva,K.E.
Nematicidal proteins
Patent: US 6632792-A 34 14-OCT-2003;
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Payne, J.M., Kennedy, M. Keith., Randall, J.B., Meier, H., Uick, H.J., Foncerrada, L., Schnepf, H.E. and Schwab, G.E.
Bacillus thuringiensis gene encoding hymenopteran-active toxins Patent: US 5616495-A 27 01-APR-1997;
Location/Qualifiers
                                    Single nucleotide polymorphisms in genes Patent: WO 0118250-A 964 15-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unknown
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             WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium Pharmaceuticals, Inc. (US)
                                                                                                                                           Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
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                                                                Mccarthy, J.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unclassified.
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                                                                              Lander, E.S.,
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="unassigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol_type="unassigned
                                                                                                                                                                                                                                                                                                                                                                                                 organism="unknown"
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                                                                                                                                                                        GI:13512013
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from patent US 6632792.
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                                                                            Gargill, M., Ireland, J.S., Bolk, S.,
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; Pred. No. 5.9e
3; Mismatches
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Pred. No.
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                                                                              Daley, G.Q. and
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A57775/c
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VERSION
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AX146081/c
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Best Local Similarity
Matches 15; Conserv
Query Match 0.:
Best Local Similarity 88.:
Matches 16; Conservative
                                                                                                                                                            JOURNAL
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                                                                                                                             Strosberg, A.D. and Zilberfarb, V.
IMMORTALISED CELL LINES FROM HUMAN ADIPOSE
PREPARING SAME AND APPLICATIONS THEREOF
PATHENE, WO 9634100-A 10 31-OCT-1996;
CENTRE NAT RECH SCIENT (FR)
Other publication FR 2733513 961031.
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Sequence 272 from Patent WO0134840.
AX146081
                                                                                                                                                                                                                                                    unidentified
                                                                                                                                                                                                                                                                                                              Sequence
A57775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primatea; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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                                                                                                                                                                                                                                                                  unidentified
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                                                                                                                                                                                                                                     unclassified.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                     /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="'n' represents a polymorphic base"
                                                                                                                  ocation/Qualifiers
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            0.3%;
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1; Mismatches
Score 14.8; DB 1;
Pred. No. 5.8e+02;
0; Mismatches 2;
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Pred. No. 5.9e+02;
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AR040105/c
LOCUS
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KEYWORDS
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AR047460/c
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KEYWORDS
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AR040105
AR040105.1
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                                                                Sequence
AR047460
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Stinchcomb,D.T. and McSwiggen,J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 953 15-SEP-1998;
                                                                                                                                                                                                                                                               Prostacyclin synthase derived from Patent: US 5814509-A 4 29-SEP-1998; Location/Qualifiers
                                                                                                                                                                                                                                                                                                1 (bases 1 to 18) Tanabe, T.
                                                                                                                                                                                                                                                                                                                                                                            Sequence 4 from patent US AR043619
Unclassified.
1 (bases 1 to 18)
                    Unknown
                                Unknown.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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                                                                                                                                                                                               Score 14.8; DB
Pred. No. 5.8e+0
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Pred. No. 5.8e+02;
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US 5807743.
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AR062892
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AR062892
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AR048585
                                                                                                                       encoding same
Patent: US 5843775-A 18 01-DEC-1998;
Location/Qualifiers
                                                                                                                                                          1 (bases 1 to 18)
Valenzuela,D.M., Ip,N.Y., Cudny,H.D., Yancopoulos,G.D.,
Harland,R.M., Smith,W.C., Lamb,T. and Knecht,A.
Human, dorsal tissue affecting factor (noggin) and nuclei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              l (bases 1 to 18)

Valenzuela, D.M., Yancopoulos, G.D., Harland, R.M. and Smith, W.C.

Hybridoma cell lines and antibodies that bind noggin

Patent: US 5821124-A 18 13-OCT-1998;

Location/Qualifiers
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Location/Qualifiers
                                                                                                                                                                                                                       Unknown
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/mol_type="unassions
                                                                                        /mol_type="unassigned DNA"
                                                                                                     organism="unknown"
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                                                     Score 14.8; DB 1;
Pred. No. 5.8e+02;
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AR097589.
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AR076416
1 (bases 1 to 18)
Strosberg, A. Donny. and Zilberfarb, V.
Immortalized cell lines from human adipose
preparing same and applications thereof
Patent: US 6071747-A 10 06-JUN-2000;
                                                                                                                                                                                                                                                                                                  Matson, R.S., Coassin, P.J., Rampal, J.B. Oligonucleotide repeat arrays Patent: US 5981185-A 17 09-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                      Unknown
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Monia,B.P. and Cowsert,L.M.
Antisense modulation of AKT-1 expression
Patent: US 5958773-A 36 28-SEP-1999;
                                                               Unknown.
                                                                      Unknown
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/mol_type="unassigned
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Sinnett, D. and Labuda, D.
Detection of CYPIAI, CYP3A4, CYP2D6 and NAT2 variants
PCR-allele-specific oligonucleotide (ASO) assay
Patent: US 6183963-A 15 06-FEB-2001;
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Sequence 15 from
AR128932
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Sequence 18 from
AR098327
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Economides, A., Stahl, N.E. and Harland, R.M.
Modified noggin polypeptide and compositions
Patent: US 6075007-A 18 13-JUN-2000;
                                                                                                                                                                                                                                                                                                 Unknown
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Similarity 88.9%;
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/mol_type="unassigned DNA"
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Pred. No. 5.8e+02;
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Pred. No. 5.8e+02;
                                                                                                                   Score 14.8; DB 1;
Pred. No. 5.8e+02;
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OS Artificial Sequence
PN JP 2002511276-A/103
PD 16-APR-2002
PF 13-APR-1999 JP 200054
modulation
Patent: DP 2002511276-A 358 16-APR-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN UP 2002511276-A/358
PD 16-APR-2002
PF 13-APR-1999 JP 2000543647
                                                                                         Cowsert,L.M., Baker,B.F., Mcneil,J., Freier,S.M., Sasmor,H.M., Brooks,D.G., Ohasi,C., Wyatt,J.R., Borchers,A.H. and Vikkars,T.A. Identification of genetic targets for modulation by oligonucleotides and generation of oligonucleotides for gene
                                                                                                                                                                         synthetic construct synthetic construct
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JP 2002511276-A/358.
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1 (bases 1 to 18)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="synthetic co
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 5.
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Identification of genetic targets for modulation by oligonucleotides and generation of oligonucleotides
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1 (Dases 1 to 18)

COWSETT, L.M., Baker, B.F., Mcneil, J., Freier, S.M., Sa Brooks, D.G., Ohasi, C., Wyatt, J.R., Borchers, A.H. and Identification of genetic targets for modulation by oligonucleotides and generation of oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TIMOTHY A VIKKARS
C12N15/09,C07B61/00,C07B61/00,C12Q1/68,G06F17/30,G06F17/50,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-APR-1999 JP 2000543647
13-APR-1998 US 60/081483,28-APR-1998 US 09/067638 PI
COWSERT,BRENDA F BAKER,JOHN MCNEIL,SUSAN M FREIER,HENRI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism='Artificial
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                                                      PAT 17-JUL-2003
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I54512/c
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I36664/c
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                                          Unclassified.

1 (bases 1 to 18)

1 (bases 1 to 18)

Stinchcomb, D.T., Draper, K., McSwiggen, J.

C-myb targeted ribozymes

C-myb targeted 7.253 08-JUL-1997;
                                                                                                                                                    154512
Sequence 2253 from patent
154512
I54512.1 GI:2475715
                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 18)
Magda, D., Sessler, J.L., Iverson, B.L.,
DNA photocleavage using texaphyrins
Patent: US 5607924-A 8 04-MAR-1997;
Location/Qualifiers
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Sequence 8 from patent
I36664
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Location/Qualifiers
/organism="unknown"
/mol_type="unassigned
                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                          /organism="unknown"
/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
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88.9%;
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Pred. No. 5.8e+02;
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Pred. No. 5.8e+02;
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EIER,HENRI PI
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AR268896
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AR231296/c
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Best Local Similarity 88.9%;
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AR293710
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AR293710
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Sequence 18
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AR231296
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Egholm, M., Kielsen, P., Buchardt, O., l
Coull, J. M., Kiely, J. and Griffith, M.
Peptide nucleic acids
Patent: US 6451968-A 33 17-SEP-2002;
                                                                                                                                                                                        Patent: US 6500640-A 18 31-DEC-2002;
Location/Qualifiers
                                                                                                                                                                                                                       1 (bases 1 to 18)
Economides, A., Stahl, N.E. and Harland, R.M
Nucleic acid molecules encoding modified o
                                                                                                                                                                                                                                                                   Unknown
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                                                                                                                                                        /organism="unknown"
/mol_type="genomic |
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Pred. No. 5.8e+02;
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                       PAT 12-JUN-2003
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AR294364/c
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Matches 16; Conserv
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing a high density disequilibrium map of the human genome Patent: US 6537751-A 5445 25-MAR-2003;
Location/Qualifiers
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Unclassified.
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                                                                                                                                                                                                    18 bp
Sequence 1 from Patent WO0105963.
AX078827
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                                      Patent: WO 0105963-A 1 25-JAN-2001; McGill University (CA)
                                                                            Fundytus, M.E., Coderre, T.J., Cohen, S.R., Henry, J.L. and Vainio, A. Antisense oligonucleotides for metabotropic glutamate receptor type
                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                        /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
                       Location/Qualifiers
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Pred. No. 5.8e+02
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RESULT 640
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2500 TATGGAATACATGGCCTG
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Sequence 98 from Patent WO0240668.
AX530375
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                                                                                                                                                         Patent: WO 0240668-A 98 23-MAY-2002;
Apotech Research and Development Ltd.
Location/Qualifiers
                                                                                                                                                                                               Tschopp, J. and Martinon, F.

Proteins and dna sequences underlying these proteins used for treating inflammations
                                                                                                                                                                                                                                                                synthetic construct
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                             /note="Primer JT1526"
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Pred. No. 5.8e+02;
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                                         Score 14.8; DB 1;
Pred. No. 5.8e+02;
0; Mismatches 2;
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Pred. No. 5.8e+02
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Sequence
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Novel purified polypeptides from Streptococcus Patent: WO 03051916-A 148 26-JUN-2003;
Affinium Pharmaceuticals, Inc. (CA)
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                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 148 from Patent AX797874
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                                                                                                                                                                                          note="sample primers"
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Pred. No. 5.8e+02;
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AX809695
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Best Local S
Matches 16
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nilarity 88.9%;
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WO03052099.
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Chen,T., Li,J. and Chen,T.M.
Methods of parallel gene cloning and analysis
Patent: WO 0305209-A 148 26-JUN-2003;
CHEN, Tao (CA); LI, Jinghan (CA)
Location/Qualifiers
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Novel purified polypeptides from Streptococcus pneumoniae Patent: WO 03051916-A 157 26-JUN-2003;
Affinium Pharmaceuticals, Inc. (CA)
Chen,T., Li,J. and Chen,T.M. Methods of parallel gene cloning and analysis Patent: WO 0305209-A 157 26-JUN-2003; CHEN, Tao (CA); LI, Jinghan (CA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AX797883.1 GI:37518226
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/mol_type="unassigned DNA"
/mb xref="taxon:32630"
/noTe="sample primers"
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/mol_type="unassigned DNA"
/mol_type="unassigned DNA"
/db xref="teaxon:32630"
/note="sample primers"
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Pred. No. 5.8e+02;
0; Mismatches 2
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Pred. No. 5.8e+02;
0; Mismatches 2;
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BD088360/c
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PR 17-JUL-1997 US 08/897236
PI NEIL STAEL, RICHARD M HARLAND, ARIS N ECONOMIDES PC C12N15/09, A61K38/00, A61P19/08, C07K14/52, C12N1/15, C12N1/19, C12N1/21,
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BD088360.1 GI:22633970
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                                                          synthetic construct synthetic construct
                                                                                           JP 2001321190-A/604.
                                                                                                                                   A method of arraying genome clone.
                                                                                                                                                      BD088360
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Modified factor and composition influencing the dorsal tissue Patent: JP 2001510044-A 11 31-JUL-2001;

REGENERON PHARMACEUTICALS INC, THE REGENTS OF THE UNIVERSITY (
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synthetic construct
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JP 2001510044-A/11.
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                            (bases 1 to 18)
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Description of Artificial Sequence:pr
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/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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0; Mismatches
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   4003 GTGGAAGCTGTGCACCTC 4020
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THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA GENOTECHS
OS Artificial Sequence
PN JP 2001331190-A/604
PD 20-NOV-2001
PF 12-MAR-2001 JP 2001068285
PI EIICHI SOEDA
                                                                                                                                                                                                                             Submitted (04-AUG-2001) Akira Horii, Tohoku University Sch
Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, S
Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp,
Tel:81-22-717-8042, Fax:81-22-717-8047)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K., Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H. Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., and Soeda,E.
                                                                                                                                                                                                                                                                                                                                                                                               A BAC-based STS-content map spanning a chromosome 1p35-p36 Genomics 74 (1), 55-70 (2001)
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                                   Conservative
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                                                                                               /note="reverse primer for human STS sts-stSG26879 at sts-stSG26879 obtained from clones B313L13, B244M15, dJ89003, Human BAC library RPCI-11"
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                db_xref="taxon:32630"
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|mol_type="genomic DNA"
                                               0.3%;
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Pred. No. 5.8e
0; Mismatches
                                0; Mismatches
                                                   Score 14.8; DB 1;
Pred. No. 5.8e+02;
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Patent: JP 2007.
GENERWIECH INC

OS Artificial Sequence
PN JP 2002253280-A/236
PD 10-SEP-2002
PF 18-DEC-2001 JP 200138
PR 17-SEP-1997 US 60/0591
17-CCT-1997 US 60/06
21-OCT-1997 US 60/06
21-OCT-1997 US 60/0
24-OCT-1997 US 60/0
29-OCT-1997 US 60/0
28-OCT-1997 US 60/0
29-OCT-1997 US 60/0
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Patent: US 5955276-A 67 21-SEP-1999;
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Morgante, M. and Vogel, J. Marie.
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Unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       artificial sequences.
1 (bases 1 to 19)
Wood, W.I., Gurney, A.L.,
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JP 2002253280-A/236.
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60/059113,17-SEP-1997 U

60/059119;18-SEP-1997 U

60/059119;18-SEP-1997 U

60/059266;15-OCT-1997 U

60/062287,17-OCT-1997 U

60/062814,24-OCT-1997 U

60/063120,24-OCT-1997 U

60/063120,24-OCT-1997 U

60/063292,24-OCT-1997 U

60/063329,27-OCT-1997 U

60/063549,28-OCT-1997 U

60/063549,28-OCT-1997 U

60/063744,28-OCT-1997 U

60/063734,29-OCT-1997 U

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RESULT 652
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WILLIAM I WOOD,
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Mchrl variant associated with human obesity
Patent: WO 2003104489-A 129 18-DEC-2003;
Philipps-Universitate Marburg (DE)
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Sequence 129 from Patent
CQ759005
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C12P21/08, (C12N1/19,C12R1:645), (C12N1/21,C12R1:19), (C12N5/10,
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Primer G4f"
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synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 19)
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CQ796060
CQ796060.1 GI:46407890
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Roche Diagnostics GmbH (DE); F. HOFFMANN-LA ROCHE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mirel,D.B., Erlich,H.A., Bugawan,T.L., Noble,J.A. and Valdez,A. Detection of susceptibility to autoimmune diseases, especially
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/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
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Pred. No. 6e+0
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6e+02;
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OS Artificia
PN JP 200016
PD 20-JUN-20
PF 30-SEP-19
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Okuma,J., Otsuki,M., Shiraishi,A. and Yonehara,S.
Drug containing anti-Fas antibody
Patent: JP 2000169393-A 65 20-JUN-2000;
SANKYO CO LTD
OS Artificial Sequence
PN JP 2000169393-A/65
PD 20-JUN-2000
PF 30-SEP-1999 JP 1999278301
                                                                                                                                                                                                                                                                                                                     Serizawa,N., Haruyama,H., Takahashi,W., Yoshida
Okuma,J., Otsuki,M., Shiraishi,A. and Yonehara,
Drug containing anti-Pas antibody
Patent: JP 2000169393-A 66 20-JUN-2000;
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JP 2000169393-A/66.
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HIROKO YOSHIDA,
PI KIMIHISA ICHIKAWA,JUN OKUMA,MASAHIKO OTSUKI,AKIO SHIRAISHI,
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1 (bases 1 to 19)
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PI KIMIHISA ICHIKAWA,JUN OKUMA,MASAHIKO OTSUKI,AKIO SHIRAISHI,
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C A61P13/12,A61P31/18,A61P37/06,C12N5/10,C12N15/02,C12N15/09,
C12P21/08//
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                                                                                                                                             A61K39/395, A61K39/395, A61K39/00, A61P1/16, A61P7/06, A61P9/00,
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containing anti-Fas antibody.
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/organism='Artificial Sequence'
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/mol_type="genomic DNA"
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Pred. No. 6e+02;
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onehara, S.
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synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 19)
Serizawa,N., Haruyama,H., Nakahara,K. and Ta
Humanized anti-Fas antibody
Patent: JP 2000166574-A 66 20-JUN-2000;
SANKYO CO LTD
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artificial sequences.
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Serizawa, N., Haruyama, H., Nakahara, K. a.
Humanized anti-Fas antibody
Patent: JP 2000166574-A 65 20-JUN-2000;
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JP 2000166574-A/65.
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                                                                                                   JP 2000166574-A/66.
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JP 2000166574-A/65
20-JUN-2000
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C12N1/21,C12N5/10,C12P21/08//(C12N1/21,C12R1:19),C12N15/00,
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C12N15/09, A61K39/00, A61K39/395, A61K39/395, A61P37/02, A61P43/00,
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                                                                                                                                                                                                                                                                                                                   /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6e+02;
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                                        Tamaki, I.
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synthetic construct
artificial sequences.
1 (bases 1 to 19)
1 Akahashi, W., Haruyama, H. and
Humanized anti-Fas antibody
Patent: JP 2000.66573-A 65 20
SANKYO CO LTD
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JP 2000166573-A/65.
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JP 2000166574-A/66
20-JUN-2000
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JP 2000166573-A/65
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C12N15/09,A61K39/00,A61K39/395,A61K39/395,A61P37/02,A61P43/00,
C07K16/18,
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29-SEP-1999
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6e+02;
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AR233774
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AUTHORS
TITLE
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E43423/c
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Best Local S
Matches 16
                                                                                                   Query Match
Best Local Similarity
Matches 16; Conserv
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It (bases 1 to 19)

RS Takahashi, W., Haruyama, H. and Serizawa, N.
Humanized anti-Fas antibody

Patent: JP 2000166573-A 66 20-JUN-2000;

ANKYO CO LTD

OS ARTIficial Sequence
PN JP 2000166573-A/66

PD 20-JUN-2000

PF 29-SEP-1999 JP 1999275440

PR WATARU TAKAHASHI, HIDEYUKI HARUYAMA, NOBUKI SERIZAWA PC
C12N15/09, A61K39/00, A61K39/00, A61K39/395, A61K39/395, A61P37/00, PC
A61P43/00,
PC C07K16/28, C12N1/21, C12N5/10, C12N15/02, C12P21/08,
PC C12R1:91),
PC C12R1:91),
CC C12R1:91),
C
                                         5213 GTGGATTCTTGGCTTTGT 5230
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N
                                                                                                                                                                                                                                                                                nucleic acid segments
Patent: US 6458536-A 136 01-OCT-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                Modified SSCP method using sequential electrophoresis of multiple
                                                                                                                                                                                                                                                                                                                                                                                                 Gatti,R.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Unclassified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 136 from patent AR233774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 synthetic construct synthetic construct
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GIGGTITCTIGCCTTIGT 19
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                                                                                             0.3%;
nilarity 88.9%;
Conservative 0
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larity 88.9%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism='Artificial Sequence'.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                         /mol_type="genomic DNA"
                                                                                                                                                                                                                                 organism="unknown"
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                                                                                                   Score 14.8; D
Pred. No. 6e+0
0; Mismatches
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                                                                                                                         6e+02;
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RESULT 663
AR444868/c
LOCUS
DEFINITION
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AUTHORS
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AR439197
LOCUS
DEFINITION
ACCESSION
VERSION
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AR410833
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
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 ACCESSION
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Best Local S
Matches 16
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Best Local Similarity
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                                                                                                                                  2099 CCTGCACTTGCCTGATGC 2116
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AR444868
Sequence
AR444868
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Sequence 286
AR439197
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16; Conserv
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Ashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N.,
Filvaroff, E., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M.E.,
Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J.,
Kljavin, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A.,
Stewart, T.A., Tumas, D., Williams, P.M. and Wood, W.I.
Secreted and transmembrane polypeptides and nucleic acids encoding
                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 19)
Ashkenazi, R., Botstein, D., Desnoyers, L., Baton, D.L., Ferrara, N., Ashkenazi, R., Botstein, D., Desnoyers, L., Gerritsen, M.E., Filvaroff, B., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kljavin, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A., Stewart, T.A., Tunas, D., Williams, P.M. and Wood, W.I. Stewart, T.A., Tunas, D., Williams, P.M. and Wood, W.I. Stewart, T.A., Tunas, D., Williams, P.M. and Wood, W.I. Stewart, T.A., Tunas, D., Williams, P.M. and Wood, W.I. Stewart, T.A., Tunas, D., Williams, P.M. and Wood, W.I.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Unknown.
Unclassified.
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Sequence 286 from patent US 6635468.
AR410833
AR410833.1 GI:40162333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unknown.
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Location/Qualifiers
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                90
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1. .19
                                                                                                                                                                                                                                /organism="unknown"
/mol_type="genomic |
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              from
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              patent US
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Pred. No. 6e+0
0; Mismatches
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Pred. No. 66
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6e+02;
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6e+02;
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                                 linear
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                                 PAT 20-FEB-2004
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VERSION
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SOURCE
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AUTHORS
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AUTHORS
TITLE
JOURNAL
FEATURES
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ORGANISM
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VERSION
KEYWORDS
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AX252279/c
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SOURCE
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AR473217
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ACCESSION
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                                               TITLE
JOURNAL
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local :
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AR473217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unclassified.

1 (bases 1 to 19)

1 (bases 7. and Naylor, M.J.

Bech-Hansen, T. and Naylor, M.J.
        Bianchi, N., Feriotto, G., Gambari, R. and Mischiati, C. Synthetic oligonucleotides as inducers of erythroid differentiation Patent: W0 0168147-A 5 20-SEP-2001; Universita' Degli Studi di Ferrara (IT); ASSOCIAZIONE VENETA PER LA LOTTA ALLA TALASSEMIA (IT); ASSOCIAZIONE PER LA LOTTA ALLA TALASSEMIA (IT); CHIESI FARMACEUTICI S.p.A. (IT)
                                                                                                                                                            Sequence 5 from Patent W00168147.
AX252279
AX252279.1 GI:15985621
                                                                                                                        Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 19)
Desnoyers,L., Goddard,A., Godowski,P.J.,
Williams,P.M. and Wood,W.I.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Secreted and transmembrane polypeptides
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                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                             Patent:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unclassified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unknown
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ilarity 88.9%;
Conservative
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 Location/Qualifiers
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/mol_type="genomic |
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Pred. No. 6e+C
0; Mismatches
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Sequence 10 from Patent WO0173087
AX259212
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Sequence 148 from Patent
AX326952
AX326952.1 GI:18097663
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                                                                                                                                        inflammatory bowel disease
patent: WO 0178894-A 148 25-OCT-2001;
Genome Therapeutics Corp. (US)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                            /organism="synthetic construct"
/mal_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="primer"
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/mal_type="unassigned DNA"
/mb.trye="taxon:32630"
/nb.trye="oligonucleotide"
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 Score 14.8; DB 1;
Pred. No. 6e+02;
D; Mismatches 2;
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AX697695
AX697695.1
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Sequence 26 from Patent
AX329290
AX329290.1 GI:18102305
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The Johns Hopkins UNiversity School of Medicine (US)
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Epididymis-specific proteins with fibronectin type II modules

Patent: WO 0194387-A 26 13-DEC-2001;

IHF INSTITUT FUER HORMON- UND FORTPFLANZUNGSFORSCHUNG GmbH (DE)
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/mol_type="unassigned DNA"
/db_xrcf="taxon:32630"
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/db_xref="taxon:32630"
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Pred. No. 6e+02;
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RESULT 671
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Sequence
AX698543
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Il-4 receptor sequence variation associated with type 1 diabetes
Patent: WO 03010335-A 32 06-FEB-2003;
Roche Diagnostics GmbH (DE) ; F. HOFFMANN-LA ROCHE AG (CH)
Location/Qualifiers
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Guo,X., Fernandes,E., Li,L., Kekuda,R., Liu,Y., Leite,M., Spytek,K.A., Ji,W., Casman,S.J., Boldog,F.L., Patturajan,M. Vernet,C.A., Ballinger,R.A., Malyankar,U.M., Tchernev,V.T.,
                                                                      synthetic construct
synthetic construct
artificial sequences
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Sequence 532 from Patent
AX769415
AX769415.1 GI:32437233
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ch Inc. (US)
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                                                                                                                                                                  AX814090 19 bp
Sequence 13 from Patent EP1334979.
AX814090
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Genomar
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Oreochromis niloticus
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Sequence 223 from Patent
AX804055
Patent: EP 1334979-A 13 13-AUG-2003;
Kweek-en Researchbedrijf Agrico B.V.
Location/Qualifiers
                                                                                                           synthetic construct synthetic construct
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                                                    van der Vossen,E.A. and Allefs,J.J.
                                                                                                                                                        AX814090.1
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Verification of food
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ASA (NO)
                                                                                                                                                                                                                                                                                                                                                                              /organism="Oreochromis niloticus"
/mol_type="unassigned DNA"
/db_xref="taxon:8128"
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/db_xref="taxon:32630"
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PN JP 2001516580-A/236
PD 02-CCT-2001
PF 16-SEP-1997 US 60/059115,17-SEP-1997 US
PR 17-SEP-1997 US 60/059122,17-SEP-1997 US 61/059113,17-SEP-1997 US 61/059113,17-SEP-1997 US 61/059113,17-SEP-1997 US 61/059113,18-SEP-1997 US 6
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Wood, W.I., Gurney, A.L.,
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Patent: WO 03066675-A 26 14-AUG-2003;
Kweek- en Researchbedrijf Agrico B.V.
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 6e+02;
D; Mismatches 2;
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BD090605
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Best Local Similarity
Matches 16; Conserv
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PC A61K39/395,A61K38/00,A61P1/16,A61P7/06,A61P9/00,A61P9/10,A61P13/12,PC A61P19/02,A61P29/00,A61P37/00,A61P37/06 ****
PC C12M15/09,PC A61K37/00
                                                                                  SANKYO CO LTD
OS Artificial
PN JP 200134;
PD 11-DEC-200
PF 28-MAR-200
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21-OCT-1997 US
24-OCT-1997 US
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24-OCT-1997 US
27-OCT-1997 US
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29-OCT-1997 US
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29-OCT-1997 US
29-OCT-1997 US
21-NOV-1997 US
                                                                                                                                       artificial sequences.

1 (bases 1 to 19)

Serizawa, N., Haruyama, H., Nakahara, K. and Tamaki, I. Drug containing humanized anti-Pas antibody Patent: JP 2001342148-A 65 11-DEC-2001;
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PI WILLIAM I
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JEAN CHEN,
C C12N15/09, C07K14/47, C07K14/705, C07K16/18, C07K16/28, C07K19/00,
C C12N1/19,
C C12N1/19,
C C12N1/21, C12N5/10, C12P21/02, C12P21/08, C12Q1/02// (C12P21/08, P.
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 A61P19/02,A61P29/00,A61P37/00,A61P37/06,A61P37/08,A61P43/00//C12N15/09,
A61K37/02,C12N15/00
                                                                                             Artificial Sequence
JP 2001342148-A/65
11-DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                                                                                                                                                                                                 0.3%;
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60/064215, 29-OCT-1997 U

60/064103, 31-OCT-1997 U

60/064248, 07-NOV-1997 U

60/065186, 17-NOV-1997 U

60/065693, 21-NOV-1997 U

60/065694, 22-NOV-1997 U

60/066666, 24-NOV-1997 U

60/066511, 24-NOV-1997 U
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60/063550,28-OCT-1997
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Pred. No. 6e+02;
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anti-Fas
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60/063127
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60/063327
60/063541
60/063544
60/063544
60/063549
60/063738
60/0634809
60/065872
60/066772
60/066772
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RESULT 679
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BD090606/c
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BD090714
Drug containing
BD090714
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1 (bases 1 to 19)

Serizawa,N., Haruyama,H., Nakahara,K. and Tamaki,I.

Serizawa notaining humanized anti-Pas antibody

Patent: JP 2001342148-A 66 11-DEC-2001;

SANKYO CO LTD
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JP 2001342148-A/66.
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16; Conservative
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JP 2001342148-A/66
11-DEC-2001
28-MAR-2001 JP 2001093106
NOBUFUSA SERIZAWA,HIDEYUKI HARUYAMA,KAORI NAKAHARA,IKUKO
                                                                                                                                                                                                                                                            DNA encoding the heavy chain of a humanized Location/Qualifiers
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                                                                                                                              Conservative
                                                                                                                                                                                                                                                    source
                                                                                                                                                                                                                                                                                               Description of Artificial
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A61K37/02,C12N15/00
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                        /organism='Artificial
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6e+0
0; Mismatches
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Pred. No. 6e+0
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6e+02;
            antibody
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TITLE

AUTHORS

Takahashi, W., Haruyama, H. and Serizawa, N.

TITLE

Drug containing humanized anti-Fas antibody

Patent: JP 2001342149-A 65 11-DEC-2001;

SANKYO CO LTD

OS Artificial Sequence
PN JP 2001342149-A/65

PD 11-DEC-2001
PF 28-MAR-2001 JP 2001093243
PI WATARU TAKAHASHI, HIDEYUKI HARUYAMA, NOBUFUSA SERIZAWA PC

A61813/125, A61839/395, A6181/16, A6187/06, A6189/10, PC

A61813/108,
PC A61817/08,
PC A61843/00//C12N15/02, C12N15/00

CC Description of Artifician
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AUTHORS
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AUTHORS
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SOURCE
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ACCESSION
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BD090715/c
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Best Local Similarity
                                                  PD 11-DEC-2001
PF 28-MAR-2001 JP 2001093243
PI WATARU TAKAHASHI, HIDEYUKI HARUYAMA, NOBUFUSA SERIZAWA PC A61P13/12,
PC A61P13/12,
PC A61P17/00, A61P31/14, A61P31/18, A61P31/20, A61P37/00,
PC A61P37/00,
PC A61P37/00,
PC A61P31/10, A61P31/14, A61P31/18, A61P31/20, A61P37/00
PC A61P43/00//CIZN15/02, C12N15/00
CC Description of Artifact
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                                                                                                                                                                           artificial sequences.

1 (bases 1 to 19)
Takahashi, W, Haruyama, H. and Drug containing humanized and Patent: JP 2001342149-A 66 1)
SANKYO CO LTD
OS Artificial Sequence
PN JP 2001342149-A/66
PD 11-DEC-2001
PF 28-MAR-2001 JP 200109324
PI WATARU TAKAHASHI, HIDEYUN
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                                            DNA encoding the heavy chain of a humanized Location/Qualifiers
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/organism='Artificial Sequence'.
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/mol_type="genomic DNA"
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Pred. No. 6e+0
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BD102492/c
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Best Local Similarity
Matches 16; Conserv
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BD102492

Novel genes related to proliferative glomerulonephritis.

BD102492

BD102492

BD102492.1 GI:22648066

WO 0173022-A/140.

synthetic construct

SM synthetic construct
SM synthetic construct
SM synthetic construct
SM synthetic sonstruct
SM synth
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Patent: JP 2001352985-A 5 25
OTSUKA PHARMACEUTICAL CO LTD
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JP 2001352985-A/5.
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Inasawa, J. and Imoto, Y.
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JP 2001352985-A/5
25-DEC-2001
12-JUN-2000 JP 2000174946
JOJI INASAWA, YASUNARI IMOTO
CCTURIS(9), A61K39/395, A61K39/395, A61K48/00, A61P35/00, C07K14/82,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism='Unidentified'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="unidentified'
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-DEC-2001;
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6e+02;
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ORGANISM
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BD102682/c
LOCUS
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KEYWORDS
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                                                          Query Match
Best Local S
Matches 16
                                                                                                                                                                                       Patent: WO 0196566-A 5 20-DEC-2001;
OTSUKA PHARMACEUTICAL CO LTD, JOJI INAZAWA, ISSEI IMOTO
OS Artificial Sequence
PN WO 0196566-A/5
PD 20-DEC-2001 WO 2001JP004959
PR 12-JUN-2001 WO 2001JP004959
PR 12-JUN-2000 JP 00P 174946
PI JOJI INAZAWA, ISSEI IMOTO
PC C12N15/12, C12N1/15, C12N1/19, C12N1/21, C12N5/00, C12Q1/68 PC
C07K14/82, C07K16/32,
PC G01N33/574
CC Primer Wif
FH Key
FT Source
FT Source
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Best Local Similarity
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KIKUCHI, KAZUHIRO SAKUKADA
OS Artificial Sequence
PN WO 0173022-A/140
PD 04-CCT-2001
PF 29-MAR-2001 WO 2001JP
PR 29-MAR-2000 JP 00P
CC 12N15/12, C12Q1/68, C0
CC reverse primer for am
CC reverse primer for am
CC reverse primer for am
PC C12N15/12, C12Q1/68, C0
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BD102682
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WO 0196566-A/5.
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reverse primer for amplification of TRDH-284 DNA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-OCT-2001
29-MAR-2001 WO 2001JP002623
29-MAR-2000 JP 00P 90137
KYOKO TAKBUCHI,SUSUMU SEKINE,YASUHIRO KIKUCHI,KAZUHIRO
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                                                            Conservative
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                                                                                                                 /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                             /organism='Artificial
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                          Score 14.8; DB
Pred. No. 6e+02;
0; Mismatches
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RESULT 684

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DEFINITION
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                                                                           Query Match
Best Local Similarity
Matches 16; Conserv
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CC Description of Artificial Sequence: Synthetic FH Key
                                                                                                                                                                                                                                                                77
                                                                                                                                                                                                                                                                                                                                                                                                                                              JIAN ZHENG,
PI JEAN YUAN
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1 (bases 1 to 19)
Wood, W.I., Gurney, A.L.,
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JP 2002223786-A/236.
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                             CCTGCACTTGCCTGATGC 2116
CCTGCAGTTTCCTGATGC
                                                                                                                                                                                                                                                                                                     Location/Qualifiers
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                                                                               Conservative
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Location/Qualifiers
1. .19
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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60/059113,17-SEP-1997
60/059113,18-SEP-1997
60/059266,15-OCT-1997
60/063287,17-OCT-1997
60/063486,24-OCT-1997
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60/063704,29-OCT-1997

60/064215,29-OCT-1997

60/063732,31-OCT-1997

60/063870,03-NOV-1997

60/064809,12-NOV-1997

60/064809,12-NOV-1997

60/065846,18-NOV-1997
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US 60/0591
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60/063120,24-OCT-1997
60/063045,24-OCT-1997
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STIN L GURNEY
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                                                                             Score 14.8; D
Pred. No. 6e+0
0; Mismatches
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polypeptides and nucleic
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REFERENCE
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ORGANISM
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Best Local Similarity
                                                                   Matches
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21-OCT-1997
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Secreted
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17-SEP-1997 |
17-SEP-1997 |
17-SEP-1997 |
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C12N5/10,
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JP 2002238586-A/236.
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WILLIAM I WO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wood, W.I., Gurney, A.L.,
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1 (bases 1 to 19)
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CCTGCACTTGCCTGATGC
                                                             0.3%;
nilarity 88.9%;
Conservative
                                                                                                                                                                                                                                                                                                Description of Artificial Sequence: Synthetic FH Location/Qualifiers
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C12N15/09,C07K14/47,C07K16/18,C07K19/00,C12N1/19,C12N1/21,
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                                                                                                                                                                                                                                                                                                                                                                                                                         C12P21/02//C12P21/08, (C12N1/19, C12R1:645), (C12N1/21, C12R1:19),
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                                                                                                                                            /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                               /organism='Artificial Sequence'
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60/059113,17-SEP-1997 US
60/059114,18-SEP-1997 US
60/059114,18-SEP-1997 US
60/059266,15-OCT-1997 US
60/062287,17-OCT-1997 US
60/063486,24-OCT-1997 US
60/063120,24-OCT-1997 US
60/063145,24-OCT-1997 US
60/063549,28-OCT-1997 US
60/063549,28-OCT-1997 US
60/063549,28-OCT-1997 US
60/063541,29-OCT-1997 US
60/063734,29-OCT-1997 US
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60/063870,13-NOV-1997 US
60/0668120,11-NOV-1997 US
60/066772,24-NOV-1997 US
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60/066770,24-NOV-1997 US
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                                                                                     Score 14.8; DB Pred. No. 6e+02;
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                                                                 Mismatches
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ORGANISM
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                                           Query Match
Best Local S
Matches 16
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24-0CT-1997
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PN JP 2002
PD 27-AUG-
PF 18-DEC-
PR 17-SEP-
17-SEP-1997
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18-SEP-1997
17-OCT-1997
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07-NOV-1997
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24-NOV-1997
                                                                   Similarity
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C12P21/02,C12P21/08//(C12P21/02,C12R1:91),(C12P21/02,C12R1:19),(C12P21/02,C12R1:645),C12N15/00,C12N5/00,C12N15/00 CC
Description of Artificial Sequence: Synthetic FH Key
                                                                                                                                                                                                                                                                                                                                                                                                                                        JIAN ZHENG,
PI JEAN YUAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Secreted and transmembrane polypeptides and nucleic acids encoding
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BD173101.1 GI:28414410
JP 2002238587-A/236.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       artificial sequences.
1 (bases 1 to 19)
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JP 2002238587-A/236
27-AUG-2002
  Conservative
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                                                                                                                                                                                      /organism='Artificial Location/Qualifiers
                                                                                           /organism="synthetic co:
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/db_xref="taxon:32630"
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                         0.3%;
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60/059113,17-SEP-1997 U
60/059113,17-SEP-1997 U
60/059113,18-SEP-1997 U
60/05916,18-CCT-1997 U
60/05286,15-CCT-1997 U
60/062814,24-CCT-1997 U
60/063120,24-CCT-1997 U
60/063120,24-CCT-1997 U
60/063549,28-CCT-1997 U
60/063549,28-CCT-1997 U
60/063544,28-CCT-1997 U
60/063794,29-CCT-1997 U
60/063704,29-CCT-1997 U
60/063704,29-CCT-1997 U
60/063704,29-CCT-1997 U
60/063702,24-NOV-1997 U
60/0668772,24-NOV-1997 U
60/066772,24-NOV-1997 U
60/066453,25-NOV-1997 U
60/066453,25-NOV-1997 U
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0;
Score 14.8; D
Pred. No. 6e+0
0; Mismatches
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059122,77-SEP-1997 US
059113,17-SEP-1997 US
059216,15-OCT-1997 US
062287,17-OCT-1997 US
062287,17-OCT-1997 US
062814,24-OCT-1997 US
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                                                  Length 19;
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60/065186 PR
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60/066511 PR
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Euteleostomi; cora; Bovidae;

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BD173420
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                                          Query Match
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Matches 16; Conserv
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2099 CCTGCACTTGCCTGATGC 2116
                                                                                                                                                                                                                                                      PC C12P21/02//C12P21/08, (C12N1/19, C12N1/21, PC PC (C12P21/02//C12P21/08, (C12N1/19, C12R1:645), (C12N1/21, C12R1:19), PC (C12N5/10, C12R1:91), C12N15/00, C12N5/00, C12R1:91) CC Description of Artificial Sequence: Synthetic FH Key FT Source 1...19
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17-SEP-1997 US
17-SEP-1997 US
17-SEP-1997 US
17-CCT-1997 US
17-CCT-1997 US
24-CCT-1997 US
24-CCT-1997 US
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21-NOV-1997 US
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OS Artificia
PN JP 200223
PD 27-AUG-20
PF 18-DEC-20
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JP 2002238588-A/236
                                               Conservative
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ,000
W
                                                                                                                                    /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                   0.3%;
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60/059113,17-SEP-1997 US
60/059113,18-SEP-1997 US
60/059113,18-SEP-1997 US
60/059266,5-OCT-1997 US
60/062287,17-OCT-1997 US
60/063120,24-OCT-1997 US
60/063120,24-OCT-1997 US
60/063549,28-OCT-1997 US
60/063549,28-OCT-1997 US
60/063549,28-OCT-1997 US
60/063549,28-OCT-1997 US
60/063744,29-OCT-1997 US
60/063714,29-OCT-1997 US
60/063714,29-OCT-1997 US
60/063704,29-OCT-1997 US
60/066702,24-NOV-1997 US
60/066770,24-NOV-1997 US
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60/059113,17-SEP-1997

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60/059266,15-OCT-1997

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US 60/0591
                                       Score 14.8; DB
Pred. No. 6e+02;
0; Mismatches
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60/059117 PR
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JOURNAL
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AUTHORS
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ACCESSION
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KEYWORDS
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AUTHORS
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AUTHORS
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SOURCE
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ACCESSION
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AUTHORS
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SSAJ777
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BOVINE14
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les 16; Conserv
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Sus scrofa EST GITR forward p
AJ000777
AJ000777.1 GI:2286000
PCR primer.
                                     Sus scrofa

Sukaryota; Metazoa; Chordata; Craniata; Vertebrata;

Mammalia; Butheria; Cetartiodactyla; Suina; Suidae;

1 (bases 1 to 20)

1 (bases 1 to 20)

1 (bases 1, condition of the pig comparative map by expressed second of the pig comparative map by expre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Direct Submission
Submitted (29-JAN-1996) Yoshikazu Sugimoto, Japan Live Stock
Submitted (Apart Stock)
Technology Association, Shirakawa Institute of Animal Genetic
Nishigo Odakura, Nishishirakawa, Fukushima 961, Japan
(B-mail:LDI03222@niftyBerve.or.jp, Tel:0248-25-5641,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 (bases 1 to 20)
Hirano, T., Nakane, S., Mizoshita, K., Inoue-Murayama, M.,
Barendse, W. and Sugimoto, Y.
Characterization of 42 bovine microsatellite markers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hirano,T., Nakane,S., Mizoshita,K., Yamakuchi,H., Inoue-Murayama,M., Watanabe,T., Barendse,W. and Sugimoto,Y. Characterization of 42 highly polymorphic bovine microsatellite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unpublished
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  2 (bases 1 to 20) Fridolfsson, A.K.
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Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bos taurus
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Bos taurus (cow)
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/mol_type="genomic DNA"
/db_xref="taxon:9913"
<1. .20
/note="microsatellite DIK069 PCR antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    location/Qualifiers
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Pred. No. 6.1e+02;
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 4326 AAGCCCTGGAGAAGACCA 4343
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Sequence 17 :
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Patent: US 5753238-A 6 19-MAY-1998;
Location/Qualifiers
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Sequence 6 from
AR008036
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Submitted (27-JUL-1997) Fridolfsson A.K., Animal Breeding and Genetics, Swedish University of Agricultural Sciences, Biomedical Center, Box 597, S-751 24 Uppsala, SWEDEN
                                                                                                            1 (bases 1 to 20)
Garkavtsev,I. and Riabowol,K.
DNA sequence encoding the tumor suppressor gene ING1
Patent: US 5986078-A 17 16-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 20)
Kaslow,D.C. and Duffy,P.E.
Target antigens of transmission blocking antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unknown.
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/mol_type="mRNA"
/db_xref="taxon:9823"
                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                         /organism="unknown"
/mol_type="unassigned DNA"
                                                                  /organism="unknown"
/mol_type="unassigned
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Unclassified.

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Ward, D.T. and Co
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AR122520
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AR100348
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Baker, B.F., Bennett, C.Frank., Butler, M.M.
Antisense oligonucleotide modulation of tu
factor..alpha. (TWF..alpha.) expression
Patent: US 6080580-A 79 27-JUN-2000;
                                                                                                                                                                                                                                                                                     1 (bases 1 to 20)
Garkavtsev,I., Riabowol,K. and Gudkov,A.
DNA sequence encoding the tumor suppressor
Patent: US 6117633-A 17 12-SEP-2000;
Location/Qualifiers
                                  Unknown
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                                                                   GI:14106837
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  Cowsert, L.M.
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Unclassified.
1 (bases 1 to 20)
1 (bases 1 to 20)
Rennett, C. Frank. and Cowsert, L.M.
Bennett on of integrin-linked kinase expression
Antisense modulation of integrin-2001;
Patent: US 617273-A 82 23-JAN-2001;
Location/Qualifiers
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McKay,R., Butler,M.M., Wyatt,J. and Cowsert,L.M.

Antisense modulation of pepck-cytosolic expression

Patent: US 6187545-A 163 13-FBB-2001;

Location/Qualifiers
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                                                                                                                                                                            Unclassified
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                                                                                    /organism="unknown"
/mol_type="unassigned
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AR150230
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DEFINITION
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Best Local S
Matches 16
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Best Local Similarity
Matches 16; Conserv
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                                                                                                     Sequence 17
AR154577
AR154577.1
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Sequence 306
AR150230
AR150230.1
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Baker, B.F., Bennett, C.Frank., Butler, M.M. and Antisense oligonucleotide modulation of tumor factor-(.alpha.) (TNF-.alpha.) expression Patent: US 6228642-A 79 08-MAY-2001;
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AR150003
1 (bases 1 to 20)
Garkavtsev,I. and Riabowol,K.
DNA sequence encoding the tumor suppressor
Patent: US 6338918-A 17 29-MAY-2001;
Location/Qualifiers
                                                                   Unknown
                                                                                                                                                                                                   N
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Baker, B.F., Bennett, C.Frank., Butler, M.M. and
Antisense oligonucleotide modulation of tumor
factor-(.alpha.) (TNF-.alpha.) expression
patent: US 6228642-A 306 08-MAY-2001;
Location/Qualifiers
                                                                                  Unknown.
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                                                           Unclassified.
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Similarity 88.9%;
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                                                                                                                                                                                                                                                                                                       organism="unknown"
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Pred. No. 6.1e+(
0; Mismatches
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Pred. No. 6.1e+0
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RESULT 701
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Best Local S
Matches 16
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JOURNAL
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Matches 16; Conserv
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OS ARTIFICIAS S
PN JP 200225328
PD 10-SEP-2002
PF 18-DEC-2001
PR 17-SEP-1997 US
17-SEP-1997 US
17-SEP-1997 US
17-SEP-1997 US
17-SEP-1997 US
18-SEP-1997 US
18-SEP-1997 US
24-OCT-1997 US
24-OCT-1997 US
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Sequence 15
AR174560
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Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
Hammond, A.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cytokine zalphall Ligand
Patent: US 6307024-A 15 23-OCT-2001;
Location/Qualifiers
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                                                                                                                                                                  Patent: JP 2002253280-A
                                                                                                                                                                              the same
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                                                                                                                                                                                                               Wood, W.I., Gurney, A.L.,
                                                                                                                                                                                                                           artificial sequences.
1 (bases 1 to 20)
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/mol_type="unassigned
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/mol_type="unassigned DNA"
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00/059115,17-SEP-1997 US

60/059122,17-SEP-1997 US

60/059113,17-SEP-1997 US

60/059113,17-SEP-1997 US

60/059119,18-SEP-1997 US

60/059266,15-OCT-1997 US

60/062287,17-OCT-1997 US

60/062814,24-OCT-1997 US

60/0631120,24-OCT-1997 US
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Pred. No. 6.1e+02;
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60/059117
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60/062285
60/062816
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REFERENCE
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BD176231/c
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ZHENG,
ZERNG,
ZG C12N15/09,A6
A61P25/00,
PC A61P25/16
PC C12N1/
PC A61P/
PC C12N1/
PC C12
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                                                   A method of arraying genome clone patent: WO 02077815-A 31 19-SEP-2002; EIICHI SOEDA, TAKESHI KUKITA
OS Artificial Sequence
PN WO 02072815-A/31
PD 19-SEP-2002
PF 17-MAX-2001 WO 2001JP004139
PF 17-MAX-2001 JP 01P 68285
PI EIICHI SOEDA
PC C12N15/09,C12Q1/68
CC Description of Artificial Sequence
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24-NOV-1997 US
24-NOV-1997 US
WILLIAM I WOOD, A
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29-OCT-1997
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A method of arraying genome
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BD176231.1 GI:29121937
WO 02072815-A/31.
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Description of Artificial Sequence: Synthetic FH Key
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                                 C12N15/09,C12Q1/68
Description of Artificial
Location/Qualifiers
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Location/Qualifiers
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60/063329,27-OCT-1997 U
60/063549,28-OCT-1997 U
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60/063734,29-OCT-1997 U
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60/066770,24-NOV-1997
60/066453,25-NOV-1997
FIIN L GURNEY,AUDREY GO
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60/066120,21-NOV-1997
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60/063870,03-NOV-1997
60/064809,12-NOV-1997
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60/064215,29-OCT-1997
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organism='Artificial Sequence'
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Pred. No. 6.1e+02;
0; Mismatches 2
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AUTHORS
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BD176866/c
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PD 19-SEP-2002

PF 12-MAR-2002 WO 2002JP002310

PF 12-MAR-2001 JP 01P 069123,02-NOV-2001 JP 01P 338772

MASAHIRO TODA, YUTAKA KAWAKAMI, YOSHIAKI TOYAMA, YUJI MIKAMI PC

CC Description of Artificial Sequence:P2

FH Key Location/Qualifiers

FT source 1..20
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artificial sequences.

artificial sequences.

1 (bases 1 to 20)

Yokoya, F., Okutsu, T., Mori, M., Yoshiyuki, Takahara, Pukuda, H.

Aburatani, H. and Sonaka, I.

Gene panel for genes involving liver regeneration

Patent: WO 02077222-A 59 03-CCT-2002;

AJINOMOTO CO INC, FUMIHIKO YOKOYA, TOMOHISA OKUTSU, MAIKO MORI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nerve damage drugs
Patent: WO 02072144-A 2 19-SEP-2002;
PATENT UNIVERSITY, MASAHIRO TODA, YUTAKA KAWAKAMI, YOSHIAKI TOYAMA,
                                                                                                            synthetic construct synthetic construct
                                                                                                                                         BD178721.1 GI:30015988 WO 02077222-A/59.
                                                                                                                                                                    Gene panel
BD178721
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1 (bases 1 to 20)
Toda, M., Kawakami, Y., Toyama, Y. and Mikami, Y.
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nilarity 88.9%;
Conservative (
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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Pred. No. 6.1e+02;
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Pred. No. 6.1e+02;
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Matches 16; Conserv
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Best Local Similarity
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RS Ling,C., Lin,R., Yoo,Z., Huang,X., Lee,B., Lee,S., Lin,Y.,

RS Ling,C., Hsu,H., Shi,C., Yeh,C., Cao,Y. and Pan,C.

Huang,C., Hsu,H., Shi,C., Yeh,C., Cao,Y. and Pan,C.

Method and detector for identifying subtypes of human papiloma

AL Patent: JP 2002360271-A 593 17-DEC-2002;

KING CAR FOOD INDUSTRIAL CO LTD

OS Artificial Sequence

PN JP 2002360271-A/593

PD 17-DEC-2002

PP 28-NOV-2001 JP 2001362595

PP 04-MAY-2001 TW 90110785

PR 04-MAY-2001 TW 90110785

PR 04-MAY-2001 TW 90110785

PR 04-MAY-2001 TW 90110785

PI CHING-YEE LING, RUEY-WEN LIN, ZHOU-MENG YOO, XIN-HSUAN HUANG, BOW-PI HAENG LEE, YI-JU LIN, CI-CHUNG HUANG, HAN-CHANG HSU, CHA-PI SHENG-HSIUNG LEE, YI-JU LIN, CI-CHUNG HUANG, HAN-CHANG HSU, CHA-PI CHIN-S/09, CI2N15/09, CI2N15/09, CI2N1/34, CI2Q1/04, CI2Q1/42, C12Q1/68 PC

C12Q1/70, G01N31/54, G01N33/58, G01N37/00//(C12M1/34, C12R1:93), PC C12Q1/70, C12R1:93), C12N15/00, C12N15/00

CC Oligonucleptide M830402 for identifying HPV CP8034. FH Key
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OS Artificial Sequence
PN WO 02077222-A/59
PD 03-OCT-2002
PF 13-MAR-2002 WO 2002JP002372
PF 13-MAR-2001 JP 01P 070940
PR 13-MAR-2001 JP 01P 070940
PR 13-MAR-2001 JP O1P 070940
PR 11-MAR-116AO FUKUDA,
PI HIROYUKI ABURATANI,ICHIRO SONAKA
PI HIROYUKI ABURATANI,ICHIRO SONAKA
PI C12N15/09,C12Q1/68,G01N33/15,G01N33/50,G01N37/00 CC
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synthetic construct
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JP 2002360271-A/593.
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Method and detector
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(C12Q1/70,C12R1:93),C12N15/00,C12N15/00
Oligonucleoride Me30402 for identifying HPV CP8034. FH Key
Location/Qualifiers
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C12N15/09,C12Q1/68,G01N33/15,G01N33/50,G01N37/00
ription of Artificial Sequence: primer
Key
Location/Qualifiers
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                                                                                  /organism="synthetic co
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6.1e+02;
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Pred. No. 6.
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AUTHORS
TITLE
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1 (bases 1 to 20)

Kilian,A. and Bowtell,D.

Vertebrate telomerase genes and proteins and uses thereof Patent: JP 2002514928-A 48 21-MAY-2002;

CAMBIA BIOSYSTEMS LLC,PETER MACCALLUM CANCER INSTITUTE OS Artificial Sequence
PN JP 2002514928-A/48

PD 21-MAY-2002

PF 01-JUL-1998 UP 1999508771

PF 01-JUL-1997 US 60/051410,21-JUL-1997 US 60/053018

21-JUL-1997 US 60/053329,04-AUG-1997 US 60/054642 PR

PSEP-1997 US 60/053329,04-AUG-1997 US 60/054642 PR

PSEP-1997 US 60/053329

PI ANDREAU KILIAN,DAVID BOWTELL
PC C12N15/11,
PC A1K31/70

CC Description of Artificial Sequence:Synthesized Amplifica
artificial sequences.

1 (bases 1 to 20)

Baker, B.F., Bennett, F.C., Butler, M.M. and Jr.W.J.S.
Antisense oligonucleotide regulation of expression of necrosis factor-alpha (TMF-alpha)
Patent. JP 2002526125-A 79 20-AUG-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002526125-A/79
PD 20-AUG-2002
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20 bp DNA linear Antisense oligonucleotide regulation of expression necrosis factor-alpha (TNF-alpha).
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synthetic construct
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based on EST Sequence GenBank Accession Number AA281296 FH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-JUL-1997 US 60/051410,21-JUL-1997 US 60/053018 PR
JL-1997 US 60/05329,04-AUG-1997 US 60/054642 PR
3P-1997 US 60/058287
ANDRZEJ KILIAN,DAVID BOWTELL
C12N15/54,C12N9/12,A61K38/45,C07K16/40,C12Q1/68,C12Q1/48, PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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/mol_type="genomic DNA"
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Pred. No. 6.1e+02;
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PP 05-OCT-1999 JP 2000574737

PP 05-OCT-1999 US 09/166186,18-MAY-1999 US 09/313932 PI
BRENDADAN JR

CC 12N15/09,A61K31/7115,A61K31/712,A61K31/7125,A61"

PC 00,A61P1/16,
PC 07H21/12,A61P3/10,A61P17/00,A61P17/0.

CO7H21/12, A61P3/10,A61P17/00,A61P17/0.

PC CO7H21/14,C12N15/00

CC Synthetic
FH Key
FT Source
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AUTHORS
TITLE
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VERSION
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PC C12N15/
PC 00,A61P
PC A61P1/1
PC A61P1/1
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                                                                                                                                                                                                                                                                                                                                                                                                        artificial sequences.

1 (bases 1 to 20)

Baker, B.F., Bennett, F.C., Butler, M.M. and Jr, W.J.S.
Baker, B.F., Bennett, F.C., Butler, M.M. and Jr, W.J.S.
Antisense oligonucleotide regulation of expression necrosis factor-alpha (TNF-alpha)

Patent: JP 2002526125-A 306 20-AUG-2002;

ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002526125-A/306
                                                                                                                                                                                                                                                                                                                                         PF 05-OCT-1999 JP 2000574737
PR 05-OCT-1998 US 09/166186,18-MAY-1999 US 09/31393
BRENDA F BAKER, FRANK C BENNETT, MADELINE M BUTLER, WILLIAM J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          synthetic construct
synthetic construct
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ACCTGGGAGCAGATGGGG
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A61P1/18,A61P3/10,A61P17/00,A61P17/04,A61P29/00,A61P31/00, PC
                                Conservative
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6.1e+02;
0; Mismatches 2;
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                              Score 14.8; DB 1;
Pred. No. 6.1e+02;
0; Mismatches 2;
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ILLIAM J PI
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AUTHORS
TITLE
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BD237579
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BD228462
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  ZYMOGENETICS INC
OS Artificial Se
PN JP 2002526052
PD 20-AUG-2002
PF 23-SEP-1999 J
PR 23-SEP-1999 US
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PF 14-MAY-1999 JP 2000549734

PR 15-MAY-1998 US 60/085579,23-DEC-1998 US
JIAN CHEN,ELLEN FILVAROFF,AUDLEY GODDARD,AUSTIN L
HANZHONG LI,
                                                                                          artificial sequences.

1 (bases 1 to 20)

Presnell,S.R., Conklin,D.C.,

Cytokine receptor ZALPHA11

Patent: JP 202526062-A 13 20
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IL-17 homologous polypeptide
BD228462
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JP 2002526062-A/13.
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BD237579
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23-SEP-1999 JP 2000574143
23-SEP-1998 US 09/159254,09-MAR-1999
JL-1999 US 09/347930
                                                                                                                                                                                                                                                                                                                                                                    Conservative
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C12N1/19,C12N1/21,C12N5/10,C12P21/02,C12P21/08,C12Q1/00 PC
                                                      Artificial Sequence JP 2002526062-A/13
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C12N15/09, A61K38/21, A61K45/00, A61P19/00, C07K14/52, C07K16/24,
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A61K37/66,C12N5/00
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism='Unidentified'
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/mol_type="genomic DNA"
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Pred. No. 6.1e+02
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                                                                                               20-AUG-2002;
                                                                                                                        Novak, J.E. and Hammond, A.K.
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and its application to
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GURNEY, PI
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Best Local (
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Best Local
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                                                                                                                                                             source
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                                                                      y Match 0.3%;
Local Similarity 88.9%;
                             5157
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18
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PC C12N5/00
PC C12N5/00
PT Key Location/Qualifiers Location/Qualifiers FT Source /organism='Artificial Sequence'.
                                                                                                                                                                                                                                                                                                                                                                        PF B SS
                                                                                                                                                                                                                                                                                                                                                                                                                                              artificial sequences.

1 (bases 1 to 20)
Presnell,S.R., Conklin,D.C., Novak,J.E.
Cytokine receptor ZALPHA11
Patent: JP 2002526062-A 15 20-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      synthetic construct
synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BD237581.1 GI:330
JP 2002526062-A/15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cytokine receptor ZALPHA11.
                                                                                                                                                                                                                                                                                                                                      PF 23-SEP-1999 JP 2000574143
PR 23-SEP-1998 US 09/159254,09-MAR-1999 US
06-JUL-1999 US 09/347930
                                                                                                                                                                                                                                                                                                                                                                                                                                   ZYMOGENETICS INC
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                           CCTCTGGCTGTGTCACAG 5174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CCTCTGGCTGTGTCACAG
                                                                                                                                                                                                                                                                                                                            SCOTT R PRESNELL, DARRELL C CONKLIN, JULIA B
                                                                                                                                                                                                                                                                                                                                                                                                 Artificial Sequence
JP 2002526062-A/15
                                                          Conservative
                                                                                                                                                                                                                                     Oligonucleotide primer ZC19657
                                                                                                                                                                                                                                                                                             C12N15/09, C07K14/715, C07K16/28, C12N1/15, C12N1/19, C12N1/21, PC
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                                                                                                                                                                                                                                                                 C12P21/02, C12P21/08, C12Q1/02, G01N33/53, G01N33/566, C12N15/00,
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                                                                                                                                                                                                                                                                                                                                                                                      20-AUG-200
                                                                                                                                                                        /organism='Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                                                                                /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                         Score 14.8; DB 1;
Pred. No. 6.1e+02;
0; Mismatches 2;
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Pred. No. 6.1;
0; Mismatches
                                                                                                                                                                                                                       Location/Qualifiers
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6.1e+02;
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                                                                                      Length 20;
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RESULT 712 BD243776

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RESULT 713
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DEFINITION
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VERSION
KEYWORDS
SOURCE
ORGANISM
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ACCESSION
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KEYWORDS
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nes 16; Conserv
PD 12-NOV-2002

PF 09-MAR-2000 JP 2000603382

PR 09-MAR-1999 US 09/264908,11-MAR-1999 US 09/265992 PR

01-JUL-1999 US 60/142013

PI JULIA E NOVAK, SCOTT R PRESNELL, CINDY A SPRECHER, DONALD C PI
FOSTER,

PI RICHARD D HOLLY, JANE A GROSS, JANET V JOHNSTON, ANDREW J NELSO:
PI STACEY R DILLON, ANGELA K HAMMOND
PC C12N15/09, A61K38/00, A61K45/00, A61P35/00, A61P37/00, C07K14/52,
PC C07K14/53, C07K14/55, C07K16/24, C07K19/00, C12N1/15, C12N1/19, P
                                                                                                                                                                                                                                                                      Novel cytokine ZALPHA11 ligand
Patennt: JP 2002537839-A 14 12-NOV-2002;
ZYMOGENETICS INC
OS Artificial Sequence
PN JP 2002537839-A/14
PD 12-NOV-2002
PP 09-MAR-2000 JP 2000603382
PR 09-MAR-1999 US 09/264908,11-MAR-19
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synthetic construct
artificial sequences.
1 (bases 1 to 20)
Novak, J.E., Presnell, S.R., S
Gross, J.A., Johnston, J.V., N
Hammond, A.K.
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OS ATIFICA
OS ATIFICA
PN JP 20025
PD 05-NOV-2
PP 18-FEB-2
PR 22-FEB-1
PI CARSTEN
PC C12N15/0
PC C12P21/0
PC C12P21/0
PC C12P21/0
PC C12N5/00
PC PC C1
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Hjort, C.M. and Pedersen, H.

Oxaloacetate hydrolase deficient fungal host cells

Patent: JP 2002536993-A 21 05-NOV-2002;
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synthetic construct
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                                                                                          RICHARD D HOLLY, JANE A GROSS, JANET V JOHNSTON, ANDREW J NELSON, STACEY R DILLON, ANGELA K HAMMOND C12N15/09, A61K38/00, A61K45/00, A61P35/00, A61P37/00, C07K14/52,
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22-FEB-1999 DK PA 199900231
CARSTEN MAILAND HJORT, HENRIK PEDERSEN
C12N15/09,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N9/02,C12P7/
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JP 2002536993-A/21
                                     C07K14/54,C07K14/55,C07K16/24,C07K19/00,C12N1/15,C12N1/19, PC
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/db_xref="taxon:32630"
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/mol_type="genomic DNA"
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Location/Qualifiers
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Pred. No. 6.1e+02;
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REFERENCE
AUTHORS
TITLE
JOURNAL
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ORGANISM
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CQ764275/c
LOCUS
DEFINITION
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VERSION
KEYWORDS
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AUTHORS
TITLE
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ORGANISM
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CQ764208/c
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Matches
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Best Local Similarity
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Sequence 28:
CQ764208
CQ764208.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Kane,C.D.

Antisense modulation of 1rh1 expression
Patent: WO 2004003201-A 2826 08-JAN-2004;
Pharmacia Corporation (US)
Pharmacia Corporation (US)
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A61K37/02
C Oligonucleotide primer ZC19572
FH Key Location/Qualifiers
FT source 1.20
forganism='Artificial Sequence'.
                                                                                                                                                    synthetic construct synthetic construct
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                                                                           Antisense modulation of 1rh1 expression Patent: WO 2004003201-A 2893 08-JAN-2004; Pharmacia Corporation (US)
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Location/Qualifiers
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Pred. No. 6.1e+C
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Patent: WO 2004039986-A 3 13-MAY-2004;
Syngenta Participations AG (CH)
Location/Qualifiers
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Sequence 3 from Patent WO2004039986.
CQ814612 CQ814612.1 GI:47603795
                                                                                                                                                                                                   Cheung, W.Y., Gagnon, M.J., Laforest, M. and Landry, B.S. Compositions and methods for identifying plants having tolerance to imidazolinone herbicides Patent: WO 2004040012-A 79 13-MAY-2004; BASF Plant Science GmbH (DE)
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oligonucleotide"
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/mol type="unassigned DNA"
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Pred. No. 6.1e+02;
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TITLE
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A method for quantifying a target nucleic Patent: BF 1435394-A 2 07-JUL-2004;
FUJI PHOTO FILM CO., LTD. (JP)
Location/Qualifiers
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Sequence 2 from Patent EP1435394.
CQ830063 GI:50250597
synthetic construct synthetic construct artificial sequences
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A method for quantifying a target nucleic acid Patent: EP 1435394-A 6 07-JUL-2004;
FUJI PHOTO FILM CO., LTD. (JP)
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88.9%; Pred. No. 6.1e+02;
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Pred. No. 6.1e+02;
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Okamoto, H. and Nakamura, T.

Oligonucleotides and determination system
Patent: US 5427909-A 71 27-JUN-1995;

Location/Qualifiers
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Okamoto, H. and Nakamura, T.

Oligonuclectides and determination system

Patent: US 5427909-A 70 27-JUN-1995;

Location/Qualifiers
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I12660
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A method for quantifying a target nucleic
Patent: EP 1435394-A 8 07-JUL-2004;
PUJI PHOTO FILM CO., LTD. (JP)
Location/Qualifiers
1. .20
                                                                                                                                                                                                                     Sequence 71 from patent US
                                                                                                                                                                          Unknown
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                      Score 14.8; DB 1;
Pred. No. 6.1e+02;
0; Mismatches 2
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Pred. No. 6.1e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                           Score 14.8;
Pred. No. 6.
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S 5427909.
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I12662/c
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I12664/c
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 88.9%;
Matches 16; Conservative
                                              ORGANISM
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I12662
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Okamoto,H. and Nakamura,T.
Oligonucleotides and determination system
Patent: US 5427909-A 72 27-JUN-1995;
Location/Qualifiers
1 (bases 1 to 20)
Kaslow,D.C. and Duffy,P.E.
Target antigens of transmission blocking
                                                                                           Sequence 6 from I22388
                                                                                                                                                                                                                                                                                                         1 (bases 1 to 20)
Ckamoto, H. and Nakamura, T.
Oligonucleotides and determination system
Patent: US 5427909-A 74 27-JUN-1995;
                                 Unclassified
                                              Unknown
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                                                                               122388.1
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                                                                                                                                                                                                                                                                                                                                                                                                                       74 from patent US
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/mol_type="unassigned
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Pred. No. 6.1e+0
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AR221415
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AR181732/c
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Matches 16
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
Matches 13; Conserv
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1 GGWTWTYTAATWSAGATGAG 20
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                 3786 TGAGGTAGTTGACAAAGA 3803
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Sequence 19.
AR181732
AR181732.1
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Patent: US 5527700-A 6 18-JUN-1996;
Location/Qualifiers
                                                                                                                            1 (bases 1 to 20)

Bennett, C.F. and Cowsert, L.M.

Antisense modulation of calreticulin expression

Patent: US 6426220-A 54 30-JUL-2002;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 20)
Bennett, C. Frank., Ackermann, B.J., Swayze, E.B.
Antisense modulation of survivin expression
Patent: US 6335194-A 194 01-JAN-2002;
Location/Qualifiers
                                              16;
                                                                                                                                                                                                                                      AR221415
Sequence 54 from patent US
AR221415
AR221415.1 GI:23328465
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 TGAGGAAGTTGTCAAAGA 18
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nilarity 88.9%;
Conservative (
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llarity 65.0%;
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/mol_type="unassion
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/mol_type="unassigned
                                                                                           /mol_type="genomic
                                                                                                       organism="unknown"
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                                             Score 14.8; DB 1;
Pred. No. 6.1e+02;
0; Mismatches 2
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Pred. No. 6.1e+02;
0; Mismatches 2;
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Pred. No. 6.1e+02;
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RESULT 728

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AR304022
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AR241702/c
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Sequence 9 1
AR241702
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Sequence
AR304022
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Sequence 53
AR225903
                              1 (bases 1 to 20)

Hjort, C.M. and Pedersen, H.

Oxaloacetate hydrolase deficient fungal host
Patent: US 6544765-A 26 08-APR-2003;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 20)
Dempcy.R.O., Afonina,I.A. and Vermeulen,N.M.J.
Hybridization-triggered fluorescent detection
Patent: US 6472133-A 9 29-OCT-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antisense modulation of E2F transcription Patent: US 6444464-A 53 03-SEP-2002; Location/Qualifiers
                                                                                                       Unknown
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                                                                                                                                                                                                                                                                                                                              /organism="unknown"
/mol_type="genomic DNA"
/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Pred. No. 6.1e+02;
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Pred. No. 6.1e+02;
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AR309494
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AR305390
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Matches 16; Conserv
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Matches 16; Conserv
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Todd,J.A., Hess,J.W., Caskey,C.T., Cox,R.D., Gerhold,D.,
Hammond,H., Hey,P., Kawaguchi,Y., Merriman,T.R., Metzker,M.L.,
Nakagawa,Y., Phillips,M.S. and Twells,R.C.J.
Receptor
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AR305390
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Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D.,
Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Metzker, M.L.,
Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.
                                                                                                                                                                                                                                                                                                                                           Sequence 344 from patent AR309494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unknown
                                                                                                                                                                                                      LDL-receptor Patent: US 6555654-A 344 29-APR-2003;
                                                                                                                                                                                                                                                                                Unclassified.
                                                                                                                                                                                                                                                                                            Unknown.
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/mol_type="genomic DNA"
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                                                                                                                                                                                            Location/Qualifiers
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Pred. No. 6.1e+02;
0; Mismatches 2;
                                                                                                           Score 14.8; DB 1
Pred. No. 6.1e+02
0; Mismatches
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Pred. No. 6.1e+02;
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AR312104
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Griffals,R., Hoieeth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polymucleotides and
Patent: US 6559294-A 1502 06-MAY-2003;
Location/Qualifiers
                                   1 (bases 1 to 20)
Presnell,S.R., Conklin,D.C., Novak,J.E.
Cytokine receptor zalpha11
Patent: US 6576744-A 15 10-JUN-2003;
Location/Qualifiers
                                                                                                                                                             AR342887
Sequence 15 from patent US
AR342887
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Griffais,R., Hoiseth,S.K., Zagursky,R.J., Metcalf,B.J.,
Sankaran,B. and Fletcher,L.D.
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Similarity 88.9%;
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Similarity 88.9%;
16; Conservative
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/mol_type="genomic |
organism="unknown"
/mol_type="genomic
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Pred. No. 6.1e+02;
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Pred. No. 6.1e+02;
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AR359687
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Sequence 4 from p
AR371268
AR371268.1 GI:34
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Sequence
AR342889
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Gatanaga, T. and Granger, G.A.
Tumor necrosis factor receptor releasing enzyme
Patent: US 6593456-A 57 15-JUL-2003;
Location/Qualifiers
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Presnell, S.R., Conklin, D.C., Novak, J.E. and Hammond, A.K.
Cytokine receptor zalphall
Patent: US 6576744-A 17 10-JUN-2003;
Location/Qualifiers
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Unclassified.
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
           GI:34608200
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Pred. No. 6.1e+02
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Pred. No. 6.1e+02;
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Sequence 22:
AR410779
AR410779.1
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AR374052
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Buchardt,O., Egholm,M., Nielsen,P.E.
Peptide nucleic acids
Patent: US 6395474-A 4 28-MAY-2002;
Location/Qualifiers
                                   i (bases 1 to 20)
Ashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Filvaroff, B., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M.E., Filvaroff, B., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kljavin, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A., Stewart, T.A., Tumas, D., Williams, P.M. and Wood, W.I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Methods of using zalphall ligand Patent: US 6605272-A 15 12-AUG-2003; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 20)
Novak, J.E., Presnell, S.R.,
Gross, J.A., Johnston, J.V.,
Hammond, A.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unknown
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              Patent: US 6635468-A 222 21-OCT-2003;
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222 from patent US 6
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
Location/Qualifiers
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Pred. No. 6.1e+02;
0; Mismatches 2
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Novak, J.E., Presnell, S.R., Sprecher, C.A., Poste
Gross, J.A., Johnston, J.V., Nelson, A.J., Dillon,
Hammond, A.K.
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Ashkenazi,A., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N., Filvaroff,E., Fong,S., Gao,W.-Q., Gerber,H., Gerritsen,M.E., Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J., Kljavin,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A., Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I. Secreted and transmembrane polypeptides and nucleic acids encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unknown.
Unclassified.
                                                                                                                                                     Cytokine zalphall ligand polynucleotides Patent: US 6686178-A 15 03-FEB-2004;
                                                                                                                                                                                                                                               Unknown
                                                                                                                                                                                                                                                                                      AR456202.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent: US 6664376-A 222 16-DEC-2003;
Location/Qualifiers
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CCTGTGGCTGTGTCTCAG 20
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/mol_type="genomic DNA"
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AUTHORS
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AR473163
AR473163.1
Unclassified.

1 (bases 1 to 20)

1 (bases 1 to 20)

Presmell,S.R., Conklin,D.C., Novak,J.E. and Hammond,A.K.

Methods of using cytokine receptor zalphall to detect its

Patent: US 6692924-A 17 17-FEB-2004;
                                                                                                                                                                                                                                                                                                                                Unclassified.

1 (bases 1 to 20)

1 (bases 1 to 20)

Presmell, S.R., Conklin, D.C., Novak, J.E. and Hammond, A.K.

Methods of using cytokine receptor zalphall to detect its ligands

Patent: US 6692924-A 15 17-FEB-2004;

Patent: US 6692924-A 15 17-FEB-2004;

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1 (bases 1 to 20)

Desnoyers,L., Goddard,A., G
Williams,P.M. and Wood,W.I.
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/mol_type="genomic |
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Buchardt,O., Buchardt,D., Egholm,M., Nielsen,P.E. and Berg,R.H.

Synthetic procedures for peptide nucleic acids

Patent: US 6713602-A 4 30-MAR-2004;

Location/Qualifiers
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Sequence 4 from
AR491100
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Sequence 4 from patent US
AR489489
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Buchardt,O., Egholm,M., Nielsen,P.E.
Peptide nucleic acid synthons
Patent: US 6710163-A 4 23-MAR-2004;
                                                                                                                                                                                                                                                              Unknown.
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 AX040968
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                                                                                                                                               /organism="unknown"
/mol_type="genomic"
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/mol_type="genomic
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/mol_type="genomic DNA"
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Best Local Similarity 88.9%;
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Sequence 332
AX149130
AX149130.1
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AX040968
AX040968.1
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synthetic construct
artificial sequences.
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Sequence 504 from Patent
AX104312
AX104312.1 GI:13920509
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mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
Wright, J.A., Young, A.H. and Dugourd, Antisense oligonucleotide sequences
                                                    synthetic construct synthetic construct
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                                        artificial sequences.
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                                                                                                                         332 from Patent W00136625.
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/mol_type="unassigned
/db_xref="taxon:4577"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 6.1e+02;
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Pred. No. 6.1e+02;
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Sequence 34 from Patent WO0197843.
AX355006
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Sequence 5182 from Patent WO0179548.
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Patent: WO 0136625-A 332 25-MAY-2001;
GeneSense Technologies Inc. (CA)
Location/Qualifiers
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                                                                                           Patent: WO 0197843-A 34 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
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              /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                            Location/Qualifiers
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/db_xref="taxon:32630"
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|mol_type="unassigned DNA"
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/note="Synthetic oligonucleotide"
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Pred. No. 6.1e+02;
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Best Local Similarity
Matches 16; Conserv
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Candida albicans
Candida albicans
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.
                                                                                                                                                                                                                                                                                                                    Sequence 5142 from Patent AX487842 AX487842.1 GI:22321922
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THE RECENTS OF THE UNIVERSITY OF CALIFORNIA (US)
Location/Qualifiers
                                                                                                                                                                               Roemer, T., Jiang, B., Boone, C., Bussey, H. and Ohlsen, K.L. Gene disruption methodologies for drug target discovery Patent: WO 02053728-A 5142 11-JUL-2002; Elitra Pharmaceuticals, Inc. (US)
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                                                                                                          /organism="Candida albicans"
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/db_xref="taxon:32630"
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Pred. No. 6.1e+02;
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Pred. No. 6.1e+02
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Sequence 58 from Patent WO0242461.
AX498235
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Sequence 60 from Patent WO0242461.
AX498237
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Sequence 59 from Patent WO0242461.
AX498236
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Arena Pharmaceuticals, Inc. (US)
Location/Qualifiers
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Arena Pharmaceuticals, Inc. (US)
Location/Qualifiers
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synthetic construct synthetic construct
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                                     GI:23343156
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Query Match 0.3%;
Best Local Similarity 88.9%;
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THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (US)
Location/Qualifiers
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Sequence 295 from Patent WO0220847.
AX526580
                                                    Brattler,R.L. Inhibition of angiogenesis by nucleic acids Patent: WO 02053141-A 504 11-JUL-2002; Coley Pharmaceutical Group, Inc. (US)
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Location/Qualifiers
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Patent: WO 0242461-A 60 30-MAY-2002;
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Pred. No. 6.1e+02
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AX697631
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Sequence 222 from Patent
AX697631
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Sequence 24 from Patent
AX587514
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Location/Qualifiers
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Location/Qualifiers
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/db_xref="taxon:32630"
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                                                    /mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                         note="Synthetic Oligonucleotide Probe"
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RESULT 762
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Sequence 13 from Patent WO03054755.
AX798240
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synthetic construct
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Sequence 564 from Patent EP1302550.
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AX742761.1 GI:30576750
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lin,C.Y., Lin,R.W., You,C.M., Huang,H.H., Lee Lin,Y.J., Fan,C.C., Hsu,H.C., Shih,C.W., Yeh, Pan,C.L. and Chan,P. Method and detector for identifying subtypes
                                                                                                                                                                                                                                                 artificial sequences.
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/mol_type="unassigned DNA"
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/mote="PFZ185-AP3"
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/noEe="Oligonucleotide for Identifying HPV CP8034"
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JP 2001078782-A/11.
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Sequence 1163 from Patent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Actinopterygii, Neopterygii; Teleostei; Euteleostei; Neoteleostei; Acanthomorpha; Acanthopterygii, Percomorpha; Perciformes; Labroidei; Cichlidae; Oreochromis.
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Antisense modulation of il-1 receptor-associated kinase-1
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Pred. No. 6.1e+02;
0; Mismatches 2;
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Pred. No. 6.1e+02;
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24-OCT-1997
24-OCT-1997
24-OCT-1997
27-OCT-1997
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PN JP 2001
PD 02-007
PD 16-SEP-
PR 17-SEP-
17-SEP-1997
17-SEP-1997
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Patent: JP 2001078782-A 11 27-MAR-2001;
SUMITOMO CHEMICAL CO LTD
OS Artificial Sequence
PN JP 2001078782-A/11
PD 27-MAR-2001
PF 27-APR-2000 JP 2000127243
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GENENTECH INC
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1 (bases 1 to 20)

Wood, W.I., Gurney, A.L.,
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synthetic construct
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1 (bases 1 to 20)
    16-SEP-1998
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SEP-1997 US
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JP 2001516580-A/183
02-OCT-2001
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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and transmembrane I
98 JP 2000511867
98 JP 2000511867
97 US 60/059112,17-SEP-1997 US 60/059113,17-SEP-1997 US 60/059113,17-SEP-1997 US 60/059113,18-SEP-1997 US 60/059113,18-SEP-1997 US 60/059266,15-OCT-1997 US 60/062814,24-OCT-1997 US 60/062814,24-OCT-1997 US 60/063110,24-OCT-1997 US 60/063110,24-OCT-1997 US 60/063145,24-OCT-1997 US 60/063145,24-OCT-1997 US 60/063145,24-OCT-1997 US 60/063545,28-OCT-1997 US 60/063547,28-OCT-1997 US 60/063547,28-OCT-1997 US 60/063547,28-OCT-1997 US 60/063547,28-OCT-1997 US 60/063547,28-OCT-1997 US 60/063547,28-OCT-1997 US 60/06374,29-OCT-1997 US 60/06374,29-OCT-1997 US
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60/059263
60/062285
60/062815
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Patent: JP 2001321190-A 2397 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESE
GENOTECHS
OS Artificial Sequence
PN JP 2001321190-A/2397
PD 20-NOV-2001
PF 12-MAR-2001 JP 2001068285
PI EIICHI SOEDA
PC C12N15/09,C12N15/09,C12N1/00,C12Q1/68,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/09,C12N15/0
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A method of arraying genome
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    Conservative
                                                                                                                                                                                                      source
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                                                                                                                                                          /organism='Artificial
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Location/Qualifiers
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                                                                               _xref="taxon:32630"
                  0.3%;
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60/064103,31-OCT-1997 US
60/064248,07-NOV-1997 US
60/065186,17-NOV-1997 US
60/065693,21-NOV-1997 US
60/065646,24-NOV-1997 US
60/066364,24-NOV-1997 US
60/066311,24-NOV-1997 US
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Pred. No. 6.1e+02
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VERSION
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Query Match
Best Local Similarity
Matches 16; Conserv
synthetic construct
artificial sequences.

2E 1 (bases 1 to 20)

2S Mineno, J., Meiyanto, E., Ishida, N., Takeya, T., Asada, K. and Kato, I.

A highly sensitive method for detecting nucleic acids
Patent: WO 0202814-A 28 10-JAN-2002;
PAKARA SHUZO CO LTD, JUNICHI MINENO, EDY MEIYANTO, NORIHIRO ISHIDA,
TAKARA SHUZO CO LTD, JUNICHI MINENO, EDY MEIYANTO, NORIHIRO ISHIDA,
TATSUO TAKEYA, KIYOZO ASADA, IKUNOSHIN KATO
OS ARTIFICIALI Sequence
PN WO 0202814-A/28
PD 10-JAN-2001
PD 10-JAN-2001
PD 10-JUL-2001 WO 2001JP005783
PR 05-JUL-2000 JP 00P 204177, 26-APR-2001 JP 01P 129603 PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PR 15-APR-1997 US
JOHN ANDREW TODD, JOHN
THOMAS CASKEY, ROGER
PI DAVID COX,
PI DAVID GERHOLD, HC
PC C12N15/12, C12N15
PC A61K39/395,
PC A61K48/00
CC Strandedness: Si
CC Topology: Linear
FH Key
                                                                                                                                                                                                                                                                 BD141118.1 GI:2:
WO 0202814-A/28.
                                                                                                                                                                                                                                                                                                      A highly sensitive method BD141118
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Patent: JP 2002501376-A 316 15-JAN-2002;
THE WELLCOME TRUST LTD AS TRUSTEE TO THE
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JP 2002501376-A/316.
Chlamydia sp.
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Novel LD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bacteria; Chlamydiae; Chlamydiales;
1 (bases 1 to 20)
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DAVID COX,
BAVID GERHOLD, HOLLY HAMMOND, PATRICIA HEY
C12N15/12, C12N15/11, C12Q1/68, C07K14/705, C07K16/28, A61K38/17, A61K39/395,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-APR-1998 JP 1998543635
15-APR-1997 US 60/043553,05-JUN-1997
ANDREW TODD,JOHN WILFRED HESS,CHARLES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JP 2002501376-A/316
15-JAN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Chlamydia sp.
/mol_type="genomic DNA"
/db_xref="taxon:35827"
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Pred. No. 6.1e+02;
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VERSION
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BD172410
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ACCESSION
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KEYWORDS
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BD170376
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BD172410
Secreted and transmembrar
the same.
BD172410
BD172410.1 GI:28413710
JP 2002223786-A/183.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   synthetic construct
synthetic construct
artificial sequences.
                                                                                                                  N
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Takaoka, Y. and Namba, H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BD170376.1 GI:27876188
WO 0246427-A/6.
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                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                              Artificial Sequence

| WO 0246427-A/6
| WO 0246427-A/6
| 1 JUN-2002
| 04-DEC-2001 WO 2001JP010569
| 04-DEC-2000 JP 00P 368838
| VASUKO TAKAOKA, HIROKAZU NAMBA
| C C12N15/53, C12N9/04, C12N1/21
| C CDescription of Artificial Sequence: primer-4
| C CDescription of Location/Qualifiers
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                                             and transmembrane
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/db_xref="taxon:32630"
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Location/Qualifiers
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6.1e+02;
0; Mismatches 2
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Pred. No. 6.1e+02;
0; Mismatches 2;
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 BD172729
Secreted and
the same.
BD172729
BD172729.1
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29-OCT-1997
29-OCT-1997
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17-NOV-1997
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17-OCT-1997
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17-SEP-1997
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CC Description of Artificial Sequence: Synthetic FH Key
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1 (bases 1 to 20)
Wood, W.I., Gurney, A.L.,
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PI JEAN YUAN
                                                                                                                                                                                                                                                                                                                                                                                     24-NOV-1997
WILLIAM I W
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GENENTECH INC
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                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                  C12N15/09, C07K14/47, C07K16/18, C07K19/00, C12N1/19, C12N1/21,
                                                                                                                                                    Conservative
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JP 2002223786-A/183
13-AUG-2002
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                                   and
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Location/Qualifiers
                                                                                                                                                                                               /organism="synthetic construct"
/mol_type="genomic DNA"
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60/059113,17-SEP-1997 U
60/059119,18-SEP-1997 U
60/059266,15-OCT-1997 U
60/062287,17-OCT-1997 U
60/062287,17-OCT-1997 U
60/062814,24-OCT-1997 U
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US 60/0591
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60/063549,28-OCT-1997
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Pred. No. 6.1e
0; Mismatches
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PN UP 2002238
PD 27-AUG-200
PF 18-DEC-200
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synthetic construct
synthetic construct
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1 (bases 1 to 20)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (C12P5/10, C12R1:91), (C12P21/02, C12R1:91), (C12P21/02, C12R1:645), (C12P21/02, C12R1:19), (C12P21/08, C12R1:91), C12N15/00, C12N5/00,
                                                                                                                                             GCAGGCCCTCATGGCCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Description of Artificial Sequence: Synthetic FH Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JEAN YUAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C12P21/02//C12P21/08, (C12N1/19, C12R1:645), (C12N1/21, C12R1:19),
                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            source
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       and
                                                                                                                                                                                                                                                                                                                               /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                      /organism='Artificial Sequence'
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    transmembrane
                                                                                                                                                                                                                                                             0.3%;
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60/059122,17-SEP-1997 US
60/059113,17-SEP-1997 US
60/059113,17-SEP-1997 US
60/059113,17-SEP-1997 US
60/059113,17-SEP-1997 US
60/059266,15-OCT-1997 US
60/063287,1-OCT-1997 US
60/063120,24-OCT-1997 US
60/063120,24-OCT-1997 US
60/063120,24-OCT-1997 US
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60/063794,29-OCT-1997 US
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60/066120,21-NOV-1997 US
60/066120,21-NOV-1997 US
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60/066170,24-NOV-1997 US
60/066170,24-NOV-1997 US
60/066170,24-NOV-1997 US
60/066170,24-NOV-1997 US
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US 60/0591
                                                                                                                                               19
                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                  Score 14.8; DB 1;
Pred. No. 6.1e+02;
0; Mismatches 2
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                          20
20 bp DNA
polypeptides
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                                                                                                                                                                                                                                                                                     DB 1;
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       and
                                                                                                                                                                                                                                                                                   Length
    linear
d nucleic
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60/059121 PR
60/059121 PR
60/059123 PR
60/052825 PR
60/062285 PR
60/062125 PR
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60/063121 PR
60/063327 PR
60/063341 PR
60/063542 PR
60/063542 PR
60/063543 PR
60/064103 PR
60/064103 PR
60/064118 PR
60/065186 PR
60/065186 PR
60/06534 PR
60/06564 PR
60/06646 PR
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60/06646 PR
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       acids
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VERSION
KEYWORDS
SOURCE
ORGANISM
  RESULT 7:
BD173367
LOCUS
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AUTHORS
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                                                                                                                                                                                                                 Query Match
Best Local S
Matches 16
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       BD173367
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17-SEP-1997
17-SEP-1997
18-SEP-1997
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OS Artif:
PN JP 200
PD 27-AUC
PP 18-DEC
                                                                                                                                                                                       Location/Qualifiers FT source FT
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Description of Artificial Sequence: Synthetic FH Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the same.
BD173048
BD173048.1 GI:28414354
JP 2002238587-A/183.
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07-NOV-1997
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                                                                      Similarity
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                GCAGGCCCCCATGGGCAG
GCAGGCCCTCATGGCCAG
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C12N15/09,C07K14/47,C07K16/18,C12N1/19,C12N1/21,C12N5/10,
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JP 2002238587-A/183
27-AUG-2002
                                                        Conservative
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                    AUSTIN
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60/059113,17-SEP-1997 U
60/059113,17-SEP-1997 U
60/05916,18-SEP-1997 U
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60/063573,28-OCT-1997 U
60/063512,29-OCT-1997 U
60/063734,29-OCT-1997 U
60/064215,29-OCT-1997 U
60/064215,29-OCT-1997 U
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60/064809,12-NOV-1997 U
60/065846,18-NOV-1997 U
60/065120,21-NOV-1997 U
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19
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Pred. No. 6.1e
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60/062285
60/062285
60/063127
60/063127
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60/063121
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60/063542
60/064103
60/064148
60/065186
60/065186
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60/059117 PR
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91217 PR
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313542 PR
31354 PR
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6640 PR
66400 PI
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                           1211 GCAGGCCCCATGGGCAG 1228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PC C12P21/02//C12P21/08,(C12N1/19,C12N1/19,C12N1/21, PC PC (C12P21/02//C12P21/08,(C12N1/19,C12R1:645),(C12N1/21,C12R1:19), PC (C12N5/10,C12R1:91),C12N15/00,C12N5/00,(C12N5/00,C12R1:91),C12N15/00,C12N15/00,C12N1:91),C12N15/00,C12N15/00,C12N1:91),C12N15/00,C12N1:91),C12N15/00,C12N1:91),C12N15/00,C12N1/20,C12N1:91),C12N15/00,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12N1/20,C12
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PN JP 2002238
PD 27-AUG-200
PF 18-DEC-200
PR 17-SEP-199
17-SEP-1997 US
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PN JP 2002238588-A/183
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism='Artificial
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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60/059119,18-SEP-1997 US
60/059119,18-SEP-1997 US
60/059266,15-OCT-1997 US
60/062814,24-OCT-1997 US
60/063120,24-OCT-1997 US
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60/063549,28-OCT-1997 US
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60/063744,29-OCT-1997 US
60/063704,29-OCT-1997 US
60/063734,99-OCT-1997 US
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60/063846,18-NOV-1997 US
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Pred. No. 6.1e+02
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AR164117/c
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Best Local Similarity 88.9%;
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Sequence 21
AR164117
AR164117.1
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Sequence 22
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AR129449
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Bell,G.I., Yamagata,K., Oda,N., Kaisaki,P.J., Furuta,H.,
Bell,G.I., Yamagata,K., Oda,N., Kaisaki,P.J., Furuta,H.,
Horikawa,Y. and Menzel,S.
Mutations in the diabetes susceptibility genes hepatocyte
factor (HNF) 1 alpha (.alpha.), HNF1.beta. and HNF4.alpha
Patent: US 6187533-A.21 13-FEB-2001;
Location/Qualifiers
Turley, E.A.
Enhanced affinity hyaluronan binding
Enhanced section 42 1 07-AUG-2001;
Patent: Location/Qualifiers
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                                                                                          Unknown
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Bell,G.I., Yamagata,K., O
Horikawa,Y. and Menzel,S.
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/mol_type="unassigned DNA"
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Pred. No. 6.3e+02;
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Best Local Similarity 88.9%;
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Matches 16; Conserv
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Sequence 30
AR176587
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Animal deficient in retinoic acid-inactivating enzyme gene Patent: JP 2003018941-A 2 21-JAN-2003;
JAPAN SCIENCE AND TECHNOLOGY CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 21)
Barany, F., Luo, J., Khanna, M. and Bergstrom, D.B.
High fidelity detection of nucleic acid differences by ligase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               detection reaction
Patent: US 6312892-A 30 06-NOV-2001;
Location/Qualifiers
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Animal deficient in retinoic
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1 (bases 1 to 21)
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                                                                   NISHINO,
HIDENAO SHIRATORI,YUKIO SAIJO
HIDENAO SHIRATORI,YUKIO SAIJO
AO1K67/027//C12N15/09,C12N15/00
Animal deficient in retinoic aci
Animal deficient in retinoic aci
Location/Qualifiers
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JP 2003018941-A/2
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                                                                                                                                                 09-JUL-2001 JP 2001207872
HIROSHI HAMADA,YASUO SAKAI,CHIKARA MENO,SHUTA FUJII,JINSUKE
                                                                                                                                                                              1-JAN-2003
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Location/Qualifiers
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Pred. No. 6.3e+02;
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Pred. No. 6.3e+02;
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CQ787004
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CQ821188/c
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Best Local Similarity 88.9%;
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CQ821188.1
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Medlmnova Gesellschaft fuer Medizinische
Akademischer Forschung mbH (DE)
Location/Qualifiers
                                                                                                                                                   Casari,G., de Fusco,M. and Marconi,R.
Diagnostic and therapeutic means for pathologies ass
alpha 2 subunit of the na, k pump
Patent: WO 2004046377-A 18 03-UUN-2004;
FONDAZIONE CENTRO SAN ROMANELLO DEL MONTE TABOR (IT)
Location/Qualifiers
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                                                                                                /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/mb xref="taxon:32630"
/mbe="primer"
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                                                            0.3%;
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Pred. No. 6.3e+02;
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AR342726
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Matches 16; Conserv
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Sequence 30
AR342726
AR342726.1
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Novel pot
channels
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Sequence 6 from Patent WO0044786.
AX032999
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Cohen,D., Chumakov,I. and Blumenfeld,M.
Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
Patent: US 6537751-A 10680 25-MAR-2003;
Location/Qualifiers
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Sequence 10680 from patent US
AR298945
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Barany, F., Luo, J., Khanna, M. and Ber;
Thermostable DNA ligase mutants
Patent: US 6576453-A 30 10-JUN-2003;
                       Jentsch, T.J.
                                                             synthetic construct
synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                                    Unknown.
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           potassium
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                                                                                                                                                                                                                                                                                                  /organism="unknown"
/mol_type="genomic DNA"
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Pred. No. 6.3e+02;
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Pred. No. 6.3e+02;
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AX047392
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AX094980
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Manipulation of fructan catabolism in plants
Patent: WO 0068402-A 8 16-NOV-2000;
K.U. Leuven Research & Development (BE)
Location/Qualifiers
1. .21
                                                                                  Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 158 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium
                                                                                                                                                                                                                                                           AX094980
Sequence 158 from Patent
AX094980
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                                                                                                                                                                                                  Homo sapiens (human)
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                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                         Pharmaceuticals,
                                                                                                                                             Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S.,
                                                                                                                                                                                                                                              AX094980.1 GI:13511183
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                          ticals, Inc. (US)
Location/Qualifiers
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from Patent WO0068402
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Pred. No. 6.3e+02;
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Pred. No. 6.3e+02;
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AX095138/c
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AX095011
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                                                                                                                                                                                                                                                                                                                           Sequence 316 from Patent W00118250.
AX095138
AX095138.1 GI:13511341
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                   /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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Pred. No. 6.3e+02;
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Pred. No. 6.3e+02;
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Patent: WO 0118250-A 1947 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH
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Sequence 1947 from Patent
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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AX354512/c
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Best Local Similarity 80.0%; Pred. No. 6.3e+02
Matches 16; Conservative 1; Mismatches
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Sequence 2297 from Patent
AX097119
AX097119.1 GI:13513389
 Qin, N., Codd, E. and D'Andrea, M.
                                                   synthetic
                                                                                                                Sequence 4 from Patent WO0194414
AX354512
                                                                                                                                                                                                                                                                                                                                                                                                                                              Single nucleotide polymorphisms in genes patent: WO 0118250-A 2297 15-MAR-2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium Pharmaceuticals, Inc. (US)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                artificial sequences.
                                                                synthetic construct
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/db_xref="taxon:9606"
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Sequence 11 from Patent WO02064835.
AX644916
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Sequence 14 from Patent W00234947.
AX513749.1 GI:23559890
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                                                                                                Brown,D., Winkler,M.M., Lawrence,F. and Shelton,J. Methods for nucleic acid fingerprint analysis Patent: WO 02064835-A 11 22-AUG-2002;
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/db_xref="taxon;32630"
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1. .21
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/mol type="taxon:32630"
/note="Synthetic Primer"
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Sequence 553 from Patent WO03060160
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Sequence 25 from Patent EP1325955.
AX797922
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                                                                                                                                                                                                                                                                                                                            Oreochromis niloticus (Nile tilapia) Oreochromis niloticus
                                                                                                                                                                                                                           Lie, Y., Slettan, A., Hoeyum, M. and Lingaas, F. Verification of food origin based on nucleic
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nilarity 88.9%;
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                                                                                                            /organism="Oreochromis niloticus"
/mol_type="unassigned DNA"
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/note="GB 86"
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Pred. No. 6.3e+02;
0; Mismatches 2
                                                                   Score 14.8; DB 1;
Pred. No. 6.3e+02;
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Pred. No. 6.3e+02
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Direct Submission

Submitted (21-NOV-2002) Balzergue S., UMRGV, INRA/CNRS, 2 rue

Submitted (21-NOV-2002) Balzergue S., UMRGV, INRA/CNRS, 2 rue

Gaston Cremieux, 91057 Evry cedex, FRANCE

PCR was performed on DNA from transformants of Arabidopsis thaliana

plants from INRA (Versailles). The DNA fragment(s) resulting from

the PCR were directly sequenced from the left or the right border

to determine the genomic sequence flanking the insertion. T-DNA

derived sequences were removed. Information to order the

corresponding mutant line and a link to a database providing a

graphical display of the insertion site are available at

http://absgap.versailles.inra.fr/publiclines/. This sequence has

been generated in the framework of the French plant genomics
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Arabidopsis thaliana (thale
Arabidopsis thaliana
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                                                                                                                                                                                                                                                                                                                                                                                             Brunaud, V., Balzergue, S., Dubreucq, B., Aubourg, S., Samson, F. Chauvin, S., Bechcold, N., Cruaud, C., Decose, R., Pelletier, G., Lepiniec, L., Caboche, M. and Lecharmy, A.
T-DNA integration into the Arabidopsis genome depends on seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent: WO 03060160-A 1089 24-JUL-2003; Genomar ASA (NO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lie,Y., Slettan,A., Hoeyum,M. and Lingaas,F. Verification of food origin based on nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Verte Actinopterygi; Teleostei; Eutel Acanthomoteryha; Acanthopterygi; Percomorpha; Labroidei; Cichlidae; Oreochromis.
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/mol_type="unassigned DNA"
/db_xref="taxon:8128"
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Pred. No. 6.3e+02;
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Euteleostei; Neoteleostei;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eute Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canil 1 (Dases 1 to 21)
Venta, P.J., Brouillette, J.A., Yuzbasiyan-Gurkan, V. and B. Gene-specific universal mammalian sequence-tagged sites:
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STS; PCR identification; PCR primer;
tagged site; universal mammalian STS
synthetic construct synthetic construct
                                                 Sequence 93 from Patent AX530370
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Canis familiaris
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llarity 88.9%;
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
/cullivar="Wassillewskija"
/db_xref="taxon:3702"
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/evidence=experimental
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left border"
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_xref="taxon:9615"
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  organism="synthetic construct"
                          Location/Qualifiers
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Process for the detection of restriction polymorphisms in eukaryotic genomes Patent: EP 0266797-A 15 11-MAY-1988; Max-Planck-Gesellschaft zur Foerderung de
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Proteins and dna sequences underlying these proteins used treating inflammations
Patent: WO 0240668-A 93 23-MAY-2002;
Apotech Research and Development Ltd. (CH)
Location/Qualifiers
process for the detection of restriction polymorphisms in eukaryotic genomes patent: EP 0266797-A 16 11-MAY-1988; Max-Planck-Gesellschaft zur Foerderung de
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 6.2e+02;
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Pred. No. 7.5e+02
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AR106504
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Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
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AR148152
Sequence
AR148152
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Riley, T.Andrew., Reynolds, M.Alan., Snyder, L.Robert.
Process for the purification of oligomers
Patent: US 5811538-A 10 22-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AR042880
Sequence 10 from
AR042880
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Keeling, P. and Guan, H.
Starch encapsulation
Patent: US 6107060-A 28 22-AUG-2000;
                                                                                                                                                                                                                                                                                                                     Sequence 28 from AR106504
                                                                                                                                                                                                                                                                          Unknown
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                                                                                                                                                                                                                                                               Unclassified.
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                                                                                                                                                                    /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
           from
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                                                                                                                                   0.3%; Score 14.4; DB 1; 93.8%; Pred. No. 6.2e+02;
          patent US
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patent US 6107060.
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Pred. No. 6.2e+02;
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                      PAT 08-AUG-2001
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                                                                                                                           Sequence 1718 from Patent CQ808268 CQ808268.1 GI:47113662
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Sequence 238 from Patent WO2004035803.
CQ806788
CQ806788.1 GI:47112170
                                                                                  synthetic construct
synthetic construct
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Becker, T., Koster, H. and Cantor, C.
Systems and methods for performing
                       Foekens, J., Harbeck, N., Koenig, T., Nimmrich, I., Rujan, T., Schmitt, A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                          Method and nucleic acids for the improved treatment of breast cell proliferative disorders
Patent: WO 2004035803-A 238 29-APR-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unknown
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Method and nucleic acids for the improved treatment of breast cell
              Marx, A.
                                                                                                                                                                       CQ808268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Foekens, J., Harbeck, N., Koenig, T., Nimmrich, I., Rujan, T., Schmitt, A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent: US 6225061-A 8 01-MAY-2001;
                                                                     artificial
                                                                                                                                                                                                                                                                                                                  Similarity
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ilarity 93.8%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="unassigned DN
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                ocation/Qualifiers
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Pred. No. 6.2e+02;
0; Mismatches 1;
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Pred. No. 6.
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WO2004035803.
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                         Maier, S., Martens, J., Model, F., Schmitt, M., Look, M.P. and
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Schmitt,M.,
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., Look, M.P. and
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Sequence 22 from patent US
AR194732
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Sequence 21 from patent
AR194731
                                                                                                                     Poly(ether-thioether), poly(ether-sulfoxide) poly(ether-sulfone) nucleic acids Patent: US 6348583-A 22_19-FEB-2002;
                                                                                                                                                                                                Unknown.
                                                                                                                                                             Segev, D.
                                                                                                                                                                                                           Unknown.
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poly(ether-sulfone) nucleic acids
Patent: US 6348583-A 21 19-FEB-2002;
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Patent: WO 2004035803-A 1718
                                                                                                                                                                                    Unclassified.
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llarity 93.8%; Pred. No. 6.2e+02;
Conservative 0; Mismatches 1
                       Conservative
                                                                     /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
/note="Detection oligonuclectide for
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93.8%; Pred. No. 6.
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PN WO 02103005-A/25
PD 27-DEC-2002
PP 18-JUN-2002 WO 2002JP006057
                                                                                                                                                               PI KATSUKI TSURITANI
PC C12N15/09,C12N5/10,C12P21/02,C12N1/15,C12N1/19,C12N1/21
PC C12Q1/68,A61K38/00,
PC A61K45/00,A61K48/00,A61K49/00,A61K35/76,G01N33/53,G01N37
PC A01K45/027
CC Description of Artificial Sequence:an artificially synth
                                                                                                                                                                                                                                                                                                                                                                                                                                          Suwa, M., Asai, K., Akiyama, Y., Aburatani, H., Oda, K. and Tsuritani, K. Guanosine triphosphate-binding protein coupled receptors Patent: WO 02103005-A 25 27-DEC-2002;
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY INCUBATION LTD, MAKIKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 Similarity
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synthetic construct
artificial sequences.
1 (bases 1 to 17)
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Location/Qualifiers
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Becker, T., Koster, H.
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A01K67/027
                                                                                                                                                                                                                                                                                                MAKIKO SUWA, KIYOSHI ASAI, YUTAKA AKIYAMA, HIROYUKI ABURATANI,
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18-JUN-2001 JP 01P 246789
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                     Location/Qualifiers
1. .17
organism="synthetic construct"
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/mol_type="genomic |
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                                          BD199168 17 bp RNA linear PAT Method and reagent for treating diseases or conditions molecule participating in vasculogenic response.
BD199168
BD199168.1 GI:33008938
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1 (bases 1 to 17)

Pavco, P.A., Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A. Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response patent; JP 2002509721-A 2193 02-APR-2002;
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               JP 2002509721-A/2194.
Homo sapiens (human)
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C12N5/00
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JP 2002509721-A/2193
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participating in vasculogenic response
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27-MAR-1998 US 60/079678
PAWELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
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                                                                                                                                                                                                                                                                                                                                                             /organism='Homo sapiens (human)'
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/mol_type="genomic RNA"
/db_xref="taxon:9606"
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/db_xref="taxon:32630"
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Pred. No. 6.4e+02;
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Pred. No. 6.4e+02;
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AUTHORS
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1 (bases 1 to 17)

AUTHORS Pavo, P.A., Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A.

TITLE Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response

TOURNAL Patent: JP 2002509721-A 4621 02-APR-2002;

RIBOZYME PHARMACEUTICALS INC

OS Homo sapiens (human)
PN JP 2002509721-A/4621
PD 02-APR-2002
PF 24-MAR-1909
PF 24-MAR-1909
PR 27-MAR-1909
PI D**-
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1 (bases 1 to 17)

Pavco, P.A., Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A. Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response Patent: JP 2002509721-A 2194 02-APR-2002; RIBOZYME PHARMACRUTICALS INC
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PC A61P3
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                                        C12N5/00
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                                                                                                                02-APR-2002
24-MAR-1999 JP 2000541291
27-MAR-1998 US 60/079678
PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
JAMES A MCSWIGGEN
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72 2002509721-A/2194
02-APR-2002
02-APR-2002
24-MAR-1999 UP 2000541291
27-MAR-1998 US 60/079678
PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
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                     Method and reagent for treating diseases or conditions
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concerning molecule
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/mol_type="genomic RNA"
/db_xref="taxon:9606"
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Pred. No. 6.4e+02;
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               RESULT 818
BD223855
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BD202841
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                  Query Match
Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                        source
                                                                                                         5215 GGATTCTTGGCTTTGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RIBOZYME PHARMACEUTICALS INC
OS Homo sapiens (human)
PN JP 2002509721-A/5867
PD 02-APR-2002
PF 24-MAR-1999 JP 2000541291
PR 27-MAR-1998 US 60/0796
PI PAMELA A PAVCO ELISABETH
                                                                                                                                                                                                                                                                                                                                                                                                         A61P29/
PC A61
C12N5/
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BD223855
                                                                                  N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pavco, P.A., Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A. Method and reagent for treating diseases or conditions concerning molecule participating in vasculggenic response Patent: JP 2002509721-A 5867 02-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 17)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
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                                                                                  GGATCCTTGGCTTTGT
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Key
Location/Qualifiers
source
1. .17
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27-MAR-1998 US 60/079678
PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JAMES A MCSWIGGEN
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Key Location/Qualifiers
                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                      concerning molecule
                                                                                                                                                                                                                                                                                    /organism='Homo
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/mol_type="genomic RNA"
/db_xref="taxon:9606"
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/mol_type="genomic RNA"
/db_xref="taxon:9606"
                                                                                                                                                                  0.3%;
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93.8%; Pred. No. 6.4e+02;
tive 0; Mismatches 1
                                                                                                                    5230
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                                                                                                                                                                    Score 14.4; DB 1;
Pred. No. 6.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 bp RNA linear PAT 1/-001-201 treating diseases or conditions concerning in vasculogenic response.
                                                                                                                                                     Mismatches
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 17
 DNA
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DEFINITION
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BD254020
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Best Local Similarity 93.8%;
Matches 15; Conservative
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C12R1:91)
PC (C12P)
PC (C12P)
PC (C12N)
PC (C12N)
CC Regula
Key
FT Source
FT
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synthetic construct
artificial sequences.
1 (bases 1 to 17)
Jannes, G. and Schmitt, H.J.
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
Regulation of repressor genes using nucleic acid molecules
Patent: JP 2002541795-A 1813 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Regulation of repressor genes BD254020
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PR 12-APR-1999 US 60/119390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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                                                                                                                            C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
                                                                                                                                                           C12P21/02,
                                                                                                                                                                                                                                                                                                                                                                      unclassified
                                                                                                                                                                                                                                                                                                                                                                                       unidentified
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                Bource
                          Regulation of repressor genes using nucleic Location/Qualifiers
                                                               A61K37/02,
(C12N5/00,C12R1:91)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-SEP-1998 EP 98870203.1
GERT JANNES,HEINZ JOSEF SCHMITT
GERT JOSEF SCHMITT
C12N15/09,C12Q1/68,C12N15/00
Description of Artificial Sequence:oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Artificial Sequence
JP 2002526088-A/30
20-AUG-2002
                                                                                                                                                                                                                                         JP 2002541795-A/1813
10-DEC-2002
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24-SEP-1998 EP 98870203
                                                                                            (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6.4e+02;
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RESULT 821
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BD257704/c
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Matches 15; Conserv
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Best Local Similarity
Matches 15; Conserv
                           ORGANISM
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  unidentified unidentified unclassified.
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Regulation of repressor genes
BD257705
BD257705.1 GI:33067475
BD257705.1 GI:3467475
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PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN

C12N15/09, A61K38/00, A61K48/00, A61P43/00, C12N5/10, PC

C12P21/02,
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OS EUKATYOCE
PN JP 2002541795-A/5497
DD 10-DEC-2002
PF 11-APR-2000 JP 200061165
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
Regulation of repressor genes using nucleic a
Patent: JP 2002541795-A 5497 10-DEC-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
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                                                                                                                                                                                                                                                                                           AAAAATACAAAACAGA
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(C12N5/00,C12R1:91)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism='Eukaryote'.
Location/Qualifiers
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/db_xref="taxon:32644"
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93.8%; Pred. No. 6.4e+02;
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Pred. No. 6.4e+02;
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Matches 15; Conserv
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Blatt, I., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acic
patent: JP 2002541795-A 5498 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC
OS ENKARYOTE
PN JP 2002541795-A/5498
PN JP 2002541795-A/5498
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PR 12-APR-1999 US 60/129390
                                                                                                                                                                                                                                                                                                                                                         RIBOZYME PHARMACEUTICALS INC
OS ENKARYOCE
PN JP 2002541795-A/6127
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/1293
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C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02,
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PN JP 2002541795-A/6127
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acid molecules

Patent: JP 2002541795-A 6127 10-DEC-2002;
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JP 2002541795-A/6127.
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PR 12-APR-1999 US 60/119390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN
CI2N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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(C12N5/00, C12R1:91)
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Pred. No. 6.4e+02;
                                               organism='Eukaryote'
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CQ617153
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                            Best Local Similarity Matches 15; Conserv
                                          Query Match
Best Local
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3255 CCAGGACCTGGCCTCT 3270
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                     Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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Sequence 1893 from Patent
CQ617153
CQ617153.1 GI:41667371
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                   /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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CQ617155
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Sequence
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Sequence 1895 from Patent
CQ617155
CQ617155.1 GI:41667373
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CQ617154
CQ617154.1 GI:41667372
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Myosin-like gene expressed in human heart and muscle Patent: WO 0193524-A 1895 06-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (human)
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Myosin-like gene expressed in human heart and muscle
Myosin-like Gene expressed in human heart and muscle
Patent: WO 0192524-A 1894 06-DEC-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
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Gu, Y., Ji, Y., Shannon, M.E.
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Sequence 6113 from Patent
CQ621373
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Shannon,M.E.
                                                                                                                                              Sequence 6199 from Patent CQ621459
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                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                             Homo sapiens
                                                                                              Homo sapiens (human)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
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               Penn, S.G.,
               Hanzel, D.K., Rank, D.R.,
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                Chen, W. and
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Best Local Similarity 93.8%;
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Sequence 6257 from Patent
CQ621517
CQ621517.1 GI:41671735
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequence 6200 from Patent
CQ621460
CQ621460.1 GI:41671678
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                          Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 6257 06-DEC-2001;
                                                                                                                                                                                                                    Homo sapiens (human)
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Best Local Similarity 93.9
Matches 15; Conservative
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Sequence 6258 from Patent W00192524.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 7410 from Patent WO0192524.
CQ622670 GI:41672888
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 6930 20-MAY-2003;
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Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 7798 06-DEC-2001;
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J. Method and reagent for the treatment of diseases or condirelated to levels of vascular endothelial growth factor r Patent: US 6566127-A 6932 20-MAY-2003;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequence 56:
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Sequence 1893 from patent
AR458216
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
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Sequence 1894 from patent
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AR458217.1 GI:42693274
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
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                                         Polynucleotide encoding a human myosin-like predominantly in heart and muscle Patent: US 6686188-A 1895 03-FEB-2004;
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AR462435
AR462435.1
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Sequence
AR462436
                                                                                                                    Polynucieotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 6113 03-FEB-2004;
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. Shannon,M.E.
                                                                                                                                                                         1 (bases 1 to 17)
GL,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
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                                                                                                                                                                  Shannon, M.E.
                                                                                                                                                                                                  Unclassified.
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ilarity 93.8%;
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                                                                                               /organism="unknown"
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/mol_type="genomic
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Pred. No. 6.4e+02;
                                          Score 14.4; DB 1;
Pred. No. 6.4e+02;
0; Mismatches 1
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Pred. No. 6.
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RESULT 846 AR462522/c

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RESULT 848
AR462580/c
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AUTHORS
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Sequence 620
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AR462580
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 6200 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 6199 03-FEB-2004;
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
                       1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
                                                                      Unknown
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larity 93.8%; Pred. No. 6.4e+02;
Conservative 0; Mismatches 1
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/mol_type="genomic
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/mol_type="genomic DNA"
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                                  Chen, W.
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AR462581
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                                                                                                               Shannon, M.E.
Polynucleotide encoding a human myosin-like predominantly in heart and muscle patent: US 6686188-A 7409 03-FEB-2004;
Location/Qualifiers
                                                                                                                                                                       1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polynucleotide encoding a human myosin-like predominantly in heart and muscle Patent: US 6686188-A 6258 03-FEB-2004;
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GLY., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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GAGCAGACGAGTGGCA 17
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Location/Qualifiers
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                                                                                  /organism="unknown"
/mol_type="genomic
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/mol_type="genomic
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Pred. No. 6.4e-
0; Mismatches
                                          Score 14.4; DB 1;
Pred. No. 6.4e+02;
0; Mismatches 1
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Pred. No. 6.4e+02;
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AR464120/c
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle patent: US 6686188-A 7410 03-FEB-2004;
Location/Qualifiers
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Sequence 7410 from patent
AR463733
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. Shannon,M.E.
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Sequence 7797 from patent
AR464120
Unknown.
Unclassified.
1 (bases 1 to 17)
                                                                                                                                                                                                                                                                                                       predominantly in heart and muscle
Patent: US 6686188-A 7797 03-FEB-2004;
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larity 93.8%;
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/mol_type="genomic DNA"
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93.8%; Pred. No. 6.4e+02;
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AR494537/c
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  l Similarity
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AX022894
AX022894.1 GI:10046385
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Chiaur, D.S., Pagano, M. and Latres, B.
Ubiquitin ligases as therapeutic targets
Patent: US 6720181-A 86 13-APR-2004;
                                                                                                                                                                                                                            unidentified unidentified
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="genomic I
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Pred. No. 6.4e+02;
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Antisense oligonucleotides against tenascin for treating vitiligo
Patent: WO 9925819-A 40 27-MAY-1999;
UHLMANN EUGEN (DB); WEISER CAROLINE
GMBH (DE); PEYMAN ANUSCHIRWAN (DE)
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Sequence 40 from Patent
AX022932
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Sequence 21 from Patent
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Pred. No. 6.4e+02;
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                                       unidentified unidentified unclassified.
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                                                                                              AX030520
Sequence 40 from Patent DB19750702.
AX030520
AX030520.1 GI:10278077
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Antisense oligonucleotides that bind to sequences encoding human tenascin for treating depigmentation, cancer, inflammation and cardiovascular disease patent: DE 19750702-A 21 27-MAY-1999;
HOBCHST MARION ROUSSEL DE GMBH (DE)
Location/Qualifiers
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Antisense oligonucleotides that bind to sequences encoding tenascin for treating depigmentation, cancer, inflammation cardiovascular disease patent: DE 19750702-A 2 27-MAY-1999;
HOECHST MARION ROUSEL DE GMBH (DE)
Location/Qualifiers
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Peyman, A.D., Uhlmann, E.D. a
Antisense oligonucleotides
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Pred. No. 6.4e+02;
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Pred. No. 6.4e+02;
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AX215324/c
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Method and reagent for the modulation and diagnosis of
nogo gene expression
Patent: WO 0159103-A 13 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Location/Qualifiers
                                             Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of
nogo gene expression
Patent: WO 0159103-A 766 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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synthetic construct
artificial sequences.
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/mol_type="unassigned DNA"
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/mb.trye="Nucleic Acid"
organism="synthetic construct"
/mol_type="unassigned RNA"
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Pred. No. 6.4e+02;
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Patent: WO 0159103-A 1377 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt,
McSwiggen, James (US); Chowrira, Bharat M.
Location/Qualifiers
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Method and reagent for the modulation and dia
nogo gene expression
Patent: WO 0159103-A 771 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt,
McSwiggen, James (US); Chowrira, Bharat M.
Location/Qualifiers
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synthetic construct
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/mol_type="unassigned RNA"
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/mol_type="unassigned RNA"
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/note="Nucleic Acid"
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Pred. No. 6.4e+02;
0; Mismatches 1;
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Pred. No. 6.4e+02
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Pred. No. 6.4e+02;
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(US)
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Best Local Similarity
Matches 15; Conserv
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 2375 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Sequence 1711 from Patent
AX216269
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Patent: WO 0159103-A 1711 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrenc McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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                                                                                                                Conservative
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                                                                                                                                                                      /organism="synthetic construct"
/mol type="unassigned RNA"
/db xref="taxon:32630"
/noTe="Nucleic Acid"
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/db_xref="taxon:32630"
/note="Nucleic Acid"
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Pred. No. 6.4e+02;
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AX217303
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synthetic
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Sequence 532 from Patent W00157206.
AX227160
AX227160.1 GI:15556301
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 2745 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Patent: WO 0159103-A 2376 16-AUG-2001;
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/mol type="unassigned RNA"
/db xref="taxon:32630"
/noTe="Nucleic Acid"
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/mol_type="unassigned RNA"
/db_xref="taxon:32630"
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0; Mismatches 1
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AX227478/c
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Patent: WO 0157206-A 644 09-AUG-2001;
RIBOZYME PHARWACEUTICALS, INC. (US);
Location/Qualifiers
                                                             Patent: W
RIBOZYME
                                                                                                                                                                                                                               AX227478
Sequence 850 from Patent
AX227478
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Sequence 644 from Patent
AX227272
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Patent: WO 0157206-A 532 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
Location/Qualifiers
                                                                                          Pattaey,A.R., Jarvis,T., Mcswiggen,J., Booher,R.N. and Holmar
Method and reagent for the inhibition of checkpoint kinase-1
1) enzyme
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synthetic construct
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artificial sequences.
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                                                          WO 0157206-A 850 09-AUG-2001;
E PHARMACEUTICALS, INC. (US);
                                               Location/Qualifiers
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/mol_type="unassigned RNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
organism="synthetic construct"
/mol_type="unassigned RNA"
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93.8%; Pred. No. 6.4e+02;
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AX266924/c
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AX266923
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Sequence
AX266923
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Targeted chromosomal genomic alterations with modified single
Stranded oligonucleotides
Patent: WO 0173002-A 4315 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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l Similarity 93.8%;
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AX266924
AX266924.1 GI:16515725
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                      AGCTCTTCCAAGCTCC 1011
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AGCTCTTCCAATCTCC 2
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4314 from Patent WO0173002.
                                                                                                         /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                    Score 14.4; DB 1;
Pred. No. 6.4e+02;
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Sequence 253
AX272684
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Targeted chromosomal genomic alterations
stranded oligonucleotides
Patent: WO 0173002-A 4319 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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Sequence 4319 from Patent
AX266928
AX266928.1 GI:16515729
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 93.8%;
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 Method and
Patent: WO
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 1037 from Patent
AX422701
AX422701.1 GI:21526083
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Patent: WO 0162911-A 523 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP
Location/Qualifiers
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Sequence 523 from Patent
AX272954
AX272954.1 GI:16545691
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                             Jarvis,T.,
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Ellis,J.H.
                              Randi,A.M.
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/mol_type="unassigned RNA"
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                                             von Carlowitz, I., Mcswiggen, J.A.,
reagent for the inhibition of
0188124-A 1037 22-NOV-2001;
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Sequence 1877 from Patent
AX532368
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Sequence 2026 from Patent
AX423690
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                                                                                                                              Aeomica,
                                                                                                                                         Human posh-like protein 1
Patent: EP 1239051-A 1877 11-8EP-2002;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                          Shannon, M.
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illarity 93.8%;
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                                                                                                                                Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"
                                                                                                               Location/Qualifiers
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/db_xref="taxon:9606"
                                                         /mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                     /organism="Homo sapiens"
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Pred. No. 6.4e+02;
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Score 14.4; DB 1;
Pred. No. 6.4e+02;
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AX556618/c
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AX532369
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Best Local Similarity 93.8%;
Matches 15; Conservative (
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Sequence 131 from Patent W002057453.
AX556618.1 GI:25899794
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Sequence 1878 from Patent
AX532369
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Patent: EP 1239051-A 1878 11-SEP-2002;
Aeomica, Inc. (US)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1. .17
                                                                                                                                                                                      /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Pred. No. 6.4e+02;
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AX578614/c
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Sequence 401
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AX648561.1
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Polypetides and nucleic acids encoding same Patent: WO 02057453-A 149 25-JUL-2002;
Curagen Corporation (US)
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Sequence 149 from Patent
AX556636
                                                                                                                                                                                                                                                                                        channel-1 (clca-1)
Patent: WO 0211674-A 452 14-FEB-2002;
RIBOZYME PHARMACEUTICALS, INC. (US);
                                                                                                                                                                                                                                                                                                                     Method and reagent for the inhibition of calcium channel-1 (clca-1)
                                                                                                                                                                                                                                                                                                                                          Thompson, J., Mcswiggen, J., and Grupe, A.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                  Conservative
                                    401 from Patent
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/mol_type="unassigned RNA"
/db_xref="taxon:9606"
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/db_xref="taxon:32630"
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              GI:29151379
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Pred. No. 6.4e+02;
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Pred. No. 6.4e+02;
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                                                  PAT 22-MAR-2003
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Sequence 1421 from Patent
AX672976
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Sequence 402 from Patent BP1273660.
AX648562
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Homo sapiens
                                   Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour suppression, tumour eversion, apoptosis and/or resistance to viruses and their medicines
                                                                                                                                                                       Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                 Bukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
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Similarity 93.8%;
                 Patent: WO 03004526-A 1421 16-JAN-2003;
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/mol_type="unassigned DN
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Pred. No. 6.4e+02;
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Pred. No. 6.4e+02;
0; Mismatches 1
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Query Match
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Sequence 2865 from Patent
AX674420
                                                                                                                                                                   Shannon, M., Gu, Y. and Nguyen, C.T.
Four human zinc-finger-containing proteins
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their us
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                         Aeomica,
                                                                                                                                        Patent: EP 1281758-A 3326 05-FEB-2003;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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0.3%;
93.8%;
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Score 14.4; DB 1;
Pred. No. 6.4e+02;
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AX694255/c
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Sequence 6987 from Patent
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Sequence 3327 from Patent
AX690595
AX690595.1 GI:29413476
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                                                                                                                                                                                              Shannon, M., Gu, Y. and Nguyen, C.T. Four human zinc-finger-containing proteins : mdz3,
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                     Patent: EP 1281758-A 6987 05-FEB-2003;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7
                                                           0.3%;
Similarity 93.8%;
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/mol_type="unassigned DNJ
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/mol_type="unassigned DNA"
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Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                  Telerman,A., Amson,R. and Tuijnder,M.
Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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Sequence 3743 from Patent
AX726056
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Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus (house mouse)
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Sequence 6988 from Patent
AX694256
                                                                     AX730391
Sequence 2025 from Patent
AX730391
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                                                          AX730391.1
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                          /organism="Mus musculus"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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93.8%; Pred. No. 6.4e+02;
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EP1281758.
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WO03025175.
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AX736884/c
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AX733953/c
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Sequence 2474 from Patent
AX736884
AX736884.1 GI:30516172
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AX733953
AX733953.1 GI:30513296
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Mammalia; Eutheria; Primates;
                                                                                                           Homo sapiens
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Location/Qualifiers
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/mol_type="unassigned DN
/db_xref="taxon:9606"
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/mol_type="unassigned DN
/db_xref="taxon:9606"
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Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour suppression, tum reversion, apoptosis and/or resistance to viruses and the thereof as medicaments
Patent: WO 03025177-A 2474 27-MAR-2003;
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Sequences involved in phenomena of tumour suppression, reversion, apoptosis and/or virus resistance and their
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Pred. No. 6.4e+02;
0; Mismatches 1;
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Pred. No. 6.4e+02;
0; Mismatches 1;
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Best Local Similarity
Matches 15; Conserv
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Query Match
Best Local Similarity
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
Patent: WO 03025177-A 2561 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 2561 from Patent
AX736971
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Sequence 385 from Patent
AX744420
                                                                                                             A human G protein coupled receptor
Patent: WO 03031621-A 385 17-APR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Mammalia; Eutheria; Primatea; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
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                                              /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Pred. No. 6.4e+02;
0; Mismatches 1;
 Score 14.4; DB 1;
Pred. No. 6.4e+02;
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                    2225 TCAGAGACCTCTGCTC 2240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       372 TGTAGGTGCCCTGGGA 387
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Sequence 386 from Patent W003031621.
AX744421
AX744421.1 GI:30723088
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                                                                                                                                                                                                                                                                            Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                               AX759453
Sequence 2774 from Patent
AX759453
AX759453.1 GI:32254069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A human G protein coupled receptor patent: WO 03031621-A 386 17-ApR-2003; Amersham Biosciances (SV) Corp. (US)
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Homo sapiens
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                                                                                                                                                                                                                     Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as
                                                                                                                                                                              Molecular Engines Laboratories (FR)
                                                                                                                                                                                           Patent: WO 03040369-A 2774 15-MAY-2003;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                  0.3%;
Similarity 93.8%;
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/mol_type="genomic DNA"
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                                                                                                         /organism="Homo sapiens"
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/db_xref="taxon:9606"
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RESULT 901 BD067725/c

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PN JP 2001511003-A/565
PD 07-AUG-2001
PF 14-JAN-1998 JP 1998532913
PR 31-JAN-1997 US 60/035476,04-DEC-1997 US SAGHIR AKHTAR, PATRICIA FELL, JAMES A MCSWIGGEN PC C1189/00,C07K14/71
CC Strandedness: Single;
CC Topology: Linear;
CC Enzymatic nucleic acid treatment of diseases o:
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Akhtar,S., Fell,P. and Mcswiggen,J.A.

Enzymatic nucleic acid treatment of diseases or conditions to levels of epidermal growth factor receptors

Patent: JP 2001511003-A 565 07-AUG-2001;

RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 bp RNA linear PAT 27-AUG-200: Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors.
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INTS 9 oligonucleotide
A26397
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                                                                                                                                                                                  INTEGRATIVE VECTOR Patent: WO 9303163-A 5 18-FEB-1993;
                                                                                                                                                                                                                 EXPRESSION IN NON-TUMORAL HUMAN LYMPHOBLASTOID LINES WITH
                                                                                                                                                                                                                                            artificial sequences.
1 (bases 1 to 18)
                                                                                                                                                                                                                                                                        synthetic construct
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llarity 93.8%;
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/organism='Unidentified'.
Location/Qualifiers
                                                                                                           /organism="synthetic construct"
/mol_type="unassigned DNA"
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A32394/c
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AR042358/c
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AR021100/c
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AR021100
AR021100.1
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Synthetic human Epo gene
A32394
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Ballay,A., Boffa,G., Cartron,J.-P., Chretien,S., Lambin,P.
Lopez,C., Prigent,S. and Salmon,C.
Expression in non-tumoral human lymphoblastoid lines with integrative vector
1 (bases 1 to 18)
Sullivan,S., Draper,K.,
TNF-.alpha. ribozymes
                                   Unknown.
Unclassified
                                                                                             Sequence 1148 from patent AR042358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent: FR 2657880-A 2 09-AUG-1991;
Location/Qualifiers
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                                                                                                                    AR042358
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Similarity 93.8%; Pred. No. 6.6e+02;
15; Conservative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                        Unknown.
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Pred. No. 6.6e+02;
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             Kisich, K.,
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              Stinchcomb, D.T.
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              McSwiggen, J
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AR051130/c
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                                                                                          Unknow...
Unclassified.
1 (bases 1 to 18)
1 (bases 8 to 18)
Froehler, B. and Jones, R. J.
Enhanced triple helix and double-helix formation directed lendancel triple halix and double helix formation oligonucleotides containing modified pyrimidines
Patent: US 6235887-A 12 22-MAY-2001;
Location/Qualifiers
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Sequence 12 from patent US
AR153751
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Froehler, B., Wagner, R., Matteucci, M., Jones, R.J., Gutierrez, A.J.
and Pudlo, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AR051130
Sequence 11 from patent US
AR051130
AR051130.1 GI:5974494
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                      GAGAAAGAGAGAGA 1196
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                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of using oligomers containing modified pyrimidines US 5830653-A 11 03-NOV-1998; Location/Qualifiers
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="unknown"
/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        organism="unknown"
                                                      0.3%;
                                                                                                                                                                                                                                                   GI:15121283
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                                             Score 14.4; DB 1;
Pred. No. 6.6e+02;
0; Mismatches 1
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Pred. No. 6.6e+02;
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S 6235887.
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BD211617/c
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DEFINITION
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JOURNAL
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BD176984/c
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Query Match
Best Local Similarity
Matches 15; Conserv
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PN JP 2002306166-A/40
PD 22-OCT-2002;
PF 31-AUG-2000 JP 200263506
PI NOBUKO YAMAMOTO,HISASHI OKAMOTO,TOMOHIRO SUZUKI PC C12N15/09,C1201/68//C12N1/00,C12N15/00
CC Sample origonucleotide
FH Key Location/~---
FT source
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OS Artifi
PN UP 2000
PD 04-JUN
PF 28-MAY
PR 29-MAY
PI GEKKEE
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Canine and feline immunoregulatory
and method of using the same.
BD211617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 18)
Sim,G., Yang,S., Dreitz,M.J. and Wonderling,R.
Canine and feline immunoregulatory proteins, n
and method of using the same
Patent: JP 2002516104-A 123 04-JUN-2002;
PC G01N33/50,C12N15/00,A61K37/02,A61K37/66,C12N5/00 CC Description of Artificial Sequence: Synthetic Primer FH Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BD211617.1 GI:33021387 JP 2002516104-A/123.
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JP 2002306166-A/40.
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1 (bases 1 to 18)
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N JP 2002516104-A/123

D 04-JUN-2002

P 28-MAY-1999 JP 2000551002

PR 29-MAY-1998 US 60/087306

PR 29-MAY-1999 US 60/087306

PR 29-MAY-19
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C07K14/54,
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Location/Qualifiers
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Pred. No. 6.6e+02;
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DEFINITION
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I08613/c
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Best Local Similarity
Matches 15; Conserv
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OS None

OC Artificial sequences.

PN JP 1997313187-A/1

PD 09-DEC-1997

PP 30-MAY-1996 JP 1996136502

PI AKAGI HIROWORI, INAGAKI AKIKO, YOKOZEKI SU
NAKAMURA ATSUSHI,

PI FUJIMURA TATSUTO

PC C12N15/09,C07H21/04,C1201/68//A01H1/00;

CC strandedness: Single;

CC topology: Linear;

CC hypothetical: No;

FH Key Location/Qualifiers

FH Key Jorganism='Artificial sequences'

FT source Jorganism='Artificial sequences'
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Akagi, H., Inagaki, A., Yokozeki, S., Nakamura, A. and Fujimura, T. DNA MARKER LOCATING NEAR MALE STERILITYRESTRATION GENE IN RICE CYTOPLASM AND DNA DIAGNOSIS
Patent: JP 1997313187-A 1 09-DEC-1997;
  Unknown.
Unclassified.
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                          Unknown.
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                                                                                                                                                                                                                                          /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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cocation/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Location/Qualifiers
                                                  GI:588681
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83.3%; Pred. No. 6.6e+02;
tive 1; Mismatches 2
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Pred. No. 6.6e+02;
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REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
Query Match
Best Local Similarity
Matches 15; Conserv
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Best Local Similarity 93.8%;
Matches 15; Conservative
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Local Similarity 93.8%;
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1 (bases 2 to 18)
1 (bases 1 to 18)
1 (bases 2 t
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Sequence 2983 from patent
AR187495
AR187495.1 GI:20233460
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Froehler,B., Wagner,R., Matteucci,M., Jand Pudlo,J.

Enhanced triple-helix and double-helix containing modified pyrimidines

Patent: US 5645985-A 11 08-JUL-1997;

Location/Qualifiers
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Sequence 11 from patent US 5645985.
I51690
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Bargmann, C.I. and Weinberg, R.A.
BETECTION OF POINT MUTATIONS IN NEU
Patent: WO 8707646-A 7 17-DEC-1987;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unclassified.
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/mol_type="unassigned
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                                                                                                                                 /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 6.6e+02;
0; Mismatches 1
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Pred. No. 6.6e+02;
Score 14.4; DB 1;
Pred. No. 6.6e+02;
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                                                                Length 18;
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   <u>,</u>
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Matches 15; Conserv
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Sequence 2:
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Sequence
AR254079
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Sequence
AR241595
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Sim,G.-K., Yang,S., Dreitz,M.J. and Wonderling,R.S.
Canine IL-4 immunoregulatory proteins and uses thereof
Patent: US 6471957-A 151 29-OCT-2002;
Location/Qualifiers
Unclassified.
1 (bases 1 to 18)
Kim, J.-S. and Pabo, C.O.
                                                                                                                                                                                                                                                                                                                                                                  Unknown
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1 (bases 1 to 18)
Berthelsen,J., Toma,S. and
Tankyrase homolog protein
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/mol_type="genomic I
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Sequence 151
AR254551
AR254551.1
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Sequence
AR295654
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                                                                                                                           1 (bases 1 to 18)
Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 7389 25-MAR-2003;
Location/Qualifiers
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Sim,G.-K., Yang,S., Dreitz,M.J. and Wonderling,R.
Caniney IL-13 immunoregulatory proteins and uses
Patent: US 6482403-A 151 19-NOV-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Poly zinc finger proteins with improved linkers Patent: US 6479626-A 12 12-NOV-2002; Location/Qualifiers
                                                                                                                                                                                                                Unknown
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151 from patent US 6482403.
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7389 from patent US
                                                                                           /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Pred. No. 6.6e+02;
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Pred. No. 6.6e+02
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Sequence 2 from E
AX076212
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing disequilibrium map of the human genome Patent: US 6537751-A 9111 25-MAR-2003;
Location/Qualifiers
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Sequence 9111 from patent
AR297376
                                                                                                                                                                                                                                                                                                                                                                   1 (bases 1 to 18)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 1411 20-MAY-2003;
Location/Qualifiers
to the Patent:
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Unclassified.
                                                                              synthetic construct
synthetic construct
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                       Tankyrase homolog protein
                                      Berthelsen, J., Toma, S. and Isacchi, A.
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                                                               artificial sequences.
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/mol_type="genomic DNA"
                                                                                                                                                                                                                                                                                                                               /mol_type="unassigned
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0104326-A 2 18-JAN-2001;
                                                                                                                   GI:12710837
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Sequence 9 from Patent W00111047.
AXO82558
                                                                                                                                       Fibroblast growth factor-like molecules Patent: WO 0172957-A 28 04-OCT-2001; Itoh, Nobuyuki (JP)
                                                                                                                                                                                                                                                               18 bp
Sequence 28 from Patent WO0172957.
AX318812
AX318812.1 GI:17901094
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Dna sequences isolated from human colonic

Patent: WO 0111047-A 9 15-FEB-2001;

Bayer Corporation (US)
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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               Similarity
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  Conservative
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/mol_type="unassigned DNA"
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/note="PCR Primers"
                                                       /note="PCR primer"
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AX391808/c
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AX391659/c
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AX453816
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Sequence 40 from Patent EP1184467.
AX391808
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Sequence 40 from Patent EP1184468.
AX391659 27 107007
                                                                                                                                                                                                                                                              Yamamoto,N., Okamoto,T., Tanaka,S. and
Screening method for gene variation
Patent: EP 1184467-A 40 06-MAR-2002;
CANON KABUSHIKI KAISHA (JP)
Location/Qualifiers
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Patent: EP 1184468-A 40 06-MAR-2002;
CANON KABUSHIKI KAISHA (JP)
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               from
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Pred. No. 6.6e+02;
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AX637808/c
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                            unidentified unidentified unclassified.
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15; Conserv
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Location/Qualifiers
                                                                                      AX637808
Sequence 4947 from Pater
AX637808
AX637808.1 GI:28473422
                                                                                                                                                                                                                                                                                                                                                                                                                                        Methods and nucleic acids for the analysis of hematopoietic cell proliferative disorders
Patent: WO 02077272-A 815 03-OCT-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Berlin, K., Braun, A., Distler, J., Guetig, D., Howe, A., Mueller, J., Olek, A., Piepenbrock, C., Adorjan, P., Grabs, G., Lesche, R., Leu, B., Lewin, A., Lipscher, B., Maier, S., Model, F., Mueller, V., Otto, T., Pelet, C. and Ziebarth, H.
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synthetic construct
artificial sequences.
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Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S.,
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ilarity 93.8%;
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                                                                                                                     4947 from Patent
                                                                                                                                                                                                                                                                                                                                /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Detection oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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/db_xref="taxon:32630"
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Pred. No. 6.6e+02;
                                                                                                                                                                                                                                                                                        Score 14.4; DB 1;
Pred. No. 6.6e+02;
                                                                                                                                                                                                                                                                         Mismatches
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    Direnzo, A.,
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AUTHORS

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RESULT 930
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BD000051/c
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TITLE
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Best Local Similarity
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Probe-coupling substrate, process for producing the same,
probe-craray, method for detecting target substance, method for process for producing the same,
specifying base sequence of single-stranded nucleic acid in
and method for quantitating the target substance in the samp
L Patent: JP 2000270896-A 41 03-OCT-2000;
CANON INC ANTEN PHARMACEUT CO LTD
OS Artificial Sequence
PN UP 2000270896-A/41
PD 03-OCT-2000
PD 03-OCT-2009 JP 1999019915
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1 (bases 1 to 18)

Okamoto, H., Yamamoto, N. and Suzuki, T.
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Probe-coupling substrate, process for producing the same, probe-array, method for detecting target substance, method for specifying base sequence of single-stranded nucleic acid in sample, and method for quantitating the target substance in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Karpeisky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J., Mcswiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S. Sweeder, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     synthetic construct synthetic construct
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JP 2000270896-A/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Method and reagent for inhibiting the expression of disease related
                                                                                                                                                                                                                                                                                                                      REF
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                                                                                       GAACACGAGGCCCATC
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                                                                                                                                                                                                                                                                                                                                                                     HISASHI OKAMOTO, NOBUKO YAMAMOTO, TOMOHIRO SUZUKI
1/68, C12M1/00, C12N15/09, G01N33/566, C12N15/00 CC
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ilarity 93.8%;
Conservative
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned RNA"
/db_xref="taxon:32644"
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Pred. No. 6.6e+02;
0; Mismatches 1
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Pred. No. 6
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   18
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Matches
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Yamada,Y.

The cell having the potentiality of differentiation into Patent: WO 0148150-A 29 05-JUL-2001;

RYOWA HAKKO KOGYO CO LTD, AKIHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI OGAWA, KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA OS Artificial Sequence

PA WO 0148150-A/29

DD 05-JUL-2001

DC-NOV-2000 WO 2000JP007741

PF 02-NOV-2000 WO 2000JP007741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    myocardial cell
Patent: WO 0148149-A 29 05-JUL-2001;
RYOWA HAKKO KOGVO CO LTD, AKIHIRO UMEZAWA, JUNICHI HATA,
FUKUDA, SATOSHI CGAWA, KAZUHIRO SAKURADA
OS Artificial Sequence
N WO 0148149-A/29
PM WO 0148149-A/29
PD 05-JUL-2001
PF 28-FEB-2000 WO 2000JP001148
PR 28-DEC-1999 JP 99P 372826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Adult bone marrow-origin cell capable of differentiating into myocardial cell.
BD091566
BD091566.1 GI:22637177
                                                                                                                    PN WO 0148150-A/29

PD 05-UTL-2001

PD 05-UTL-2001

PF 02-NOV-2000 WO 2000JP007741

PF 02-NOV-2000 WO 2000JP007741

PR 28-DEC-1999 JP 99P 372826,28-FEB-2000 WO PCTJP0001448 PI
AKIHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI OGAWA, PI
KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA
KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAMADA
                                                                                                                                                                                                                                                                                                                                                                                  artificial sequences.
1 (bases 1 to 18)
                                                                                                                                                                                                                                                                                                                                                                                                                                  synthetic construct
synthetic construct
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BD094762
BD094762.1 GI:22640350
WO 0148150-A/29.
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PC C12N5/06,C12N5/00,A61K35/28,A61P41/00,A61K48/00,C07K16/18
Description of Artificial Sequence: artificially synthesized (
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1 (bases 1 to 18)
Umezawa A. Hata,J., Fukuda,K., Satoshi, Adult bone marrow-origin cell capable of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         synthetic construct
synthetic construct
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                                            C12Q1/02
                                                                                    A61K38/39
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                                                             A61K38/45, A61K48/00, A61P9/10, A61P41/00, C07K16/28, C12P21/08,
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Key
C12Q1/48, G01N33/577

Description of Artificial Sequence: artificially synthesized
                                                                                                     C12N5/06, C12N5/10, C12N15/09, A61K31/203,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AKIHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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differentiating
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RESULT 933
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AUTHORS
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BD096304
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Best Local Similarity
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PP 27-DEC-2000 WO 2000JP009323

PR 28-DEC-1999 JP 99P 372826, 28-FEB-2000 WO PCTJP0001148 PR
02-NOV-2000 WO PCTJP0007741

PI AKIHIRO UMEZAWA, JUNICHI HATA, KEIICHI FUKUDA, SATOSHI OGAWA,
KAZUHIRO SAKURADA, SATOSHI GOJO, YOJI YAWADA

PC C12N5/06, C12N5/08, C12P21/08, C12Q1/02, A61K35/28, A61K35/44, A61P9/
BD133662 18
Method for screening mutated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cells capable of differentiating into myocardial cells Patent: WO 0148151-A 29 05-JUL-2001; KYOWA HAKKO KOGYO CO LTD OS Artificial Sequence PN WO 0148151-A/29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  synthetic construct
synthetic construct
artificial sequences.
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WO 0148151-A/29.
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Key
                                                                                                                                                                                                                                                                                                  Bource
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Description of Artificial Sequence: artificially synthesized
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Location/Qualifiers
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
/db_xref="taxon;32630"
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Pred. No. 6.6e+02;
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PD 12-MA
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1 (Dases 1 to 18)

Yamamoto,N., Okamoto,T., Suzuki,T. and 'Method for screening mutated gene Patent: JP 2002071687-A 40 12-MAR-2002;
                                                                                                                                                                                                                                                                                  Kim,J.S. and Pabo,C.O. Polyzinc finger protein having improved Patent: JP 2002505111-A 12 19-FBB-2002; MASSACHUSETTS INSTITUTE OF TECHNOLOGY
                                                                                                                                           BD135111.1 GI:23230056 JP 2002505111-A/12.
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JP 2002071687-A/40
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1 (bases 1 to 18)
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NOBUKO YAMAMOTO,TADASHI OKAMOTO,TOMOHIRO SUZUKI,SHINYA TANAKA
GO1N33/53,C12M1/00,C12N15/09,C12Q1/68,G01N31/22,G01N33/566, PC
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JP 2002071687-A/40
12-MAR-2002
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JP 2002505111-A/12
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C12N15/09,C07K14/00,C07K19/00//A61K38/00,A61K48/00,C12P21/00,
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                                                                                                             sites directly juxtaposed
                                                                                                                                           Description of Artificial Sequence:NZ
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02-MAR-1998 US 60/076454
                                                    /organism='Artificial
                                                                                                                            Zif268-binding
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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BD161006/c
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BD135740/c
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mutated p53,named
CC as probe 40
CC in Table 1 Location
FH Key 1. 18
FT source /organi
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OS Artif
PN JP 20
PN 05-MF
PF 31-AI
PF NOBUL
PC C12NI
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                                                                                                                                           Terminal-labeled probe-array method for evaluating target BD161006
                                                                                                                                                                                                                                                                                                                        15;
synthetic construct synthetic construct artificial sequences.

1 (bases 1 to 18)

Okamoto, T., Yamamoto, N. and Suzuki, T.
Terminal-labeled probe-array and method for preparing it, method for evaluating target mass using the same Patent: JP 2002153284-A 40 28-MAY-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 18)

1 (bases 1 to 18)

Yamamoto, N., Okamoto, T., Suzuki, T. and Shimizu, A.

Method for detecting subjective component in spec-
substrate for detection used therefor
Batent: JP 2002065274-A 44 05-MAR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Method for detecting subjective component substrate for detection used therefor.
                                                                                                                    BD161006.1 GI:27866764
JP 2002153284-A/40.
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PC G01N35
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NOBUKO YAMAMOTO,TADASHI OKAMOTO,TOMOHIRO SUZUKI,AKIRA SHIMIZU
C12N15/09,C12M1/00,C12M1/40,C12Q1/68,G01N31/22,G01N33/53, PC
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JP 2002065274-A/44
05-MAR-2002
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ilarity 93.8%;
Conservative
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rce 1..18
/organism='Artificial Sequence'
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 6.6e+02;
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THE A method of analyzing a base sequence of a nucleic acid Patent: WO 0233068-A 40 25-APR-2002;

TOS Artificial Sequence

PD 25-APR-2000

PD 18-OCT-2000 WO 20007

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PI NOBUKO YAMAMOTO, TADASHI OKAMOTO, TOMOHIRO SUL
C12N15/09,C12Q1/68,G01N33/566,G01N33/53
CC Sample origonuclectide
FH Key
FT source
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19 bp
Sequence 23 from Patent WO9735973.
A65742
A65742.1 GI:4531361
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OS Artificial Sequence
S Artificial Sequence
PN JP 2002153284-A/40
PD 28-MAY-2002
PD 28-MAY-2002
PT 24-NOV-2000 JP 2000357446
PF 24-NOV-2000 JP 2000357446
PT TADASHI OKANOTO, NOBUKO YAMAMOTO, TOMOHIRO SUZUKI PC
C12N15/09, C12Q1/68, G01N31/22, G01N33/53, G01N33/566, G01N37/00,
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A method of analyzing a base
BD167501
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Location/Qualifiers
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/db_xref="taxon:32630"
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Pred. No. 6.6e-
0; Mismatches
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Pred. No. 6.6e
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ANTI-HTLV-I AVIT-SENSE OLIGONUCLEOTIDE

PATENT: JP 1997052898-A 17 25-FEB-1997;

SOYAUM GIUTTSU KENKYUSHO:KK

OS ANTI-HIcial Bequences.
PN JP 1997052898-A/17
PP 09-AUG-1995 JP 1995224606
PI MIZUGUCHI MASATSUGU, KUROSAKI NAOKO

KOYANAGI YOSHIO.
PI YAMAMOTO NAOKI
PC COTH21/04/A61K31/70;
CC Etrandedmess Single;
CC topology: Linear;
CC anti-sense;
FH Key
FT "
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CANINE beta 2- AND beta 3-ADRENERGIC
Patent: WO 9735973-A 23 02-OCT-1997;
VETIGEN (FR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Other publication FR 2746813 19971003
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             unidentified unidentified
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  unclassified
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                        AAGGGGGCCATGTGGA 4055
AAGTGGGCCATGTGGA 17
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                                                  Conservative
                                                                                                   /organism="unidentified"
/mol_type="genomic DNA"
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                                                                                                                                                    /organism='Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified"
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/db_xref="taxon:32644"
                                                             93.8%;
                                                Score 14.4; DB 1;
Pred. No. 6.8e+02;
0; Mismatches 1
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AR268328
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AR038671/c
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Sequence 5 :
AR038671
AR038671.1
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AR268329
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Sequence
AR268328
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1 (bases 1 to 19)
Miller, W.L., Lin, D. and Strauss, J.F. III.
Identification of gene mutations associated adrenal hyperplasia
Patent: US 5807678-A 5 15-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 19)
Nerenberg, M.I. and Kitajima, I.
Suppression of nuclear factor-.kappa.b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            oligonucleotides
Patent: US 6498147-A 9 24-DEC-2002;
Cocation/Qualifiers
1. .19
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Nerenberg, M.I. and Kitajima, I.
Suppression of nuclear factor-
                                                                      Unknown
                                                                                                                                                                                                                                                                                                                                         oligonucleotides
Patent: US 6498147-A 10 24-DEC-2002;
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                                                        Unclassified.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Pred. No. 6.8e+02;
0; Mismatches 1
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Pred. No. 6.8e+02;
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VERSION
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AUTHORS
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AR060404
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AR051997
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AR067405
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Sequence 8 1
AR051997
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                                                                                                                                                                                           1 (bases 1 to 19)
Boeke, J.D. and Brachmann, R.K.
Nucleic acids encoding p53 mu
                                                                                                                                                                                                                                                                                  Sequence 8 from patent US AR060404
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Boeke, J. D. and Brachmann, R.K.

Genetic assays and strains using hu

Patent: US 5830751-A 8 03-NOV-1998;
                                                                                                                                                              Patent: US 5840579-A 8 24-NOV-1998;
Location/Qualifiers
                                                                                                                                                                                                                                      Unknown
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Unclassified.
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1. .19
                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                              /organism="unknown"
/mol_type="unassigned DNA"
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                                                                                              Score 14.4;
Pred. No. 6
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Pred. No. 6.8e+02
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Pred. No. 6.8e+02
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BD230488
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AR128962
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Sequence 8
AR128962
Canis familiaris (dog)

Canis familiaris

Canis familiaris

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Butheria; Carnivora; Fissipedia; Canidae; Canis.

1 (bases 1 to 19)

1 (bases 1 to 19)

Galibert, F. and Andre, C.

Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

Patent: JP 2002530091-A 357 17-SEP-2002;
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                                                                                                                     BD230488
BD230488.1 GI:33040258
JP 2002530091-A/357.
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Location/Qualifiers
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Boeke, J.D. and Brachmann, R.K.
Method for identifying suppre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unknown
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Location/Qualifiers
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Simons, M.J.
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AR067405
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Similarity 93.8%;
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/mol_type="unassigned
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/mol_type="unassigned DNA"
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Pred. No. 6.8e+02;
0; Mismatches 1;
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Pred. No. 6.8e+02;
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RESULT 949
AR254656
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BD244656
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OS Canis familiaris (dog)
PN JP 2002530091-A/357
PD 17-SEP-2002
PF 15-NOV-1999 JP 2000582596
PR 13-NOV-1999 US 2000582596
PR 13-NOV-1998 US 60/108193
PI FRANCIS GALIBERT, CATHERINE ANDRE
PC C12N15/09,C12Q1/68,C12N15/00
CC BD0293
FT Key Location/Qualifiers
FT SOURCE 1..19
PT SOURCE 1..19
                                                                                      4491 AGCCGTACCTTCACCT 4506
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PD 23-JU
PF 12-AU
PR 13-AU
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1 (bases 1 to 19)

1 (bases 1 to 19)

Dowling,P.W. and Youngner,J.S.

Low temperature-adaptable equine influenza virus

Patent: JP 2002522078-A 32 23-JUL-2002;

THE UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM
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Similarity 93.8%; Pred. No. 6.8e+02;
15; Conservative 0; Mismatches 1
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13-AUG-1998 US 09/133921
PATRICIA W DOWLING,JULIUS S YOUNGNER
C12N15/09,A61K39/145,A61P31/16,C07K14/11,C12N7/04//(C12N7/04,
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JP 2002522078-A/32
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:9615"
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93.8%; Pred. No. 6.8e+02;
vative 0; Mismatches 1
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AR322117
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AR299581/c
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Best Local Similarity
Matches 15; Conserv
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AR322117
AR322117.1
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Sequence
AR299581
                                  1 (bases 1 to 19)
Booke, J.D. and Brachmann, R.K.
Genetic assays and strains using hu
Patent: US 6566056-A 8 20-MAY-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                             Unclassified.

1 (bases 1 to 19)
Cohen, D., Chumakov, I. and Blumenfeld, M. Biallelic markers for use in constructing disequilibrium map of the human genome Patent: US 6537751-A 11316 25-MAR-2003;
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AR254656
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Dowling.P.W. and Youngner,J.S.
Cold-adapted equine influenza viruses
Patent: US 6482414-A 40 19-NOV-2002;
                                                                                                         Unknown
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/mol_type="genomic DNA"
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1. .19
/organism="unknown"
/mol_type="mRNA"
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/mol_type="genomic |
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Pred. No. 6.8e+02;
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          AX130852
Sequence 2070 from Pate:
AX130852
AX130852.1 GI:14137157
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Dowling, P.W. and Youngner, J.S.
Cold-adapted equine influenza viruses
Patent: US 6685946-A 40 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                Sequence 40 from AR455531
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Dowling, P.W. and Youngner, J.S.
Cold-adapted equine influenza viruses
Patent: US 6579528-A 40 17-JUN-2003;
                                                                                                                                                                                                                                                                                     Unknown
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/mol_type="genomic |
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/mol_type="genomic I
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RESULT 956
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Loukachov, V.V., van Gemen, B. and Goudsmit, J. Collection of binding molecules Patent: Ep 1174518-A 289 23-JAN-2002; Amsterdam Support Diagnostics B.V. (NL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Dowling, P.W. and Youngner, J.S. Cold-adapted equine influenza viruses Patent: WO 0160849-A 15 23-AUG-2001; UNIV. OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION
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|mol type="unassigned DNA"
|db xref="taxon:32630"
|noTe="Synthetic Primer"
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/note="Cyclin E ribozyme binding
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AX926744
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Patent: WO 0208463-A 289 31-JAN-2002;
Amsterdam Support Diagnostics B. V. (NL)
Location/Qualifiers
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Novel fissr.pcr primers and method of identifying genotyping diverse genomes of plant and animal systems including rice varieties, a kit thereof Patent: WO 03085133-A 35 16-OCT-2003; Centre for patente for DNA Pingerprinting and Diagnostics, Centre for; the Department of Biotechnology, Ministry of Science & Technology
                                                                                                                                                                                                                                 A method of arraying genome clone
Patent: JP 2001321190-A 358 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
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                                                                                                                                             BIICHI SOBDA
                        /organism='Artificial Sequence'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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organism="synthetic construct"
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Synthetic construct DNA, 1 at 1,236.
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                                 Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K., Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H. Worohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M.,
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Patent: JP 2001321190-A 1527 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
                                                                                                 synthetic construct synthetic construct
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BAC-based STS-content map spanning a 35-Mb region of human hromosome 1p35-p36
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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21269192
11374902
                                                                                                                                                                                      Direct Submission

Submitted (04-AUG-2001) Akira Horii, Tohoku University School Submitted (04-AUG-2001) Akira Horii, Tohoku University School Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Senda Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Fax:81-22-717-8047)

Location/Qualifiers
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Synthetic construct DNA,
at 1p36.
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                                                                                                                                                                                                                                                                                                                                                                                              A BAC-based STS-content map spanning a 35-Mb region of human
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Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Marohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
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Genomics 74 (1), 55
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   Conservative
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                                                                /note="forward primer for human STS sts-R192L5R at 1p36
sts-R192L5R obtained from clones B192L5, B359B13, Human
BAC library RPCI-11"
                                                                                                                  /organism="synthetic construct"
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/db_xref="taxon:32630"
1. .19
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Bovine DNA for microsatellite marker,
D83311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Direct Submission
Submitted (29-JAN-1996) Yoshikazu Sugimoto, Japan Live Stock
Submitted (Apple Announce of Animal Genetics;
Technology Association, Shirakawa Institute of Animal Genetics;
Nishigo Odakura, Nishishirakawa, Fukushima 961, Japan
[B-mail:LDI03222@niftyserve.or.jp, Tel:0248-25-5641,
                   Anim. Ge: 97083737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hirano,T., Nakane,S., Mizoshita,K., Inoue-Murayama,M., Barendse,W. and Sugimoto,Y.
Characterization of 42 bovine microsatellite markers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hirano, T., Nakane, S., Mizoshita, K., Yamakuchi, H., Inoue-Murayama, M., Watanabe, T., Barendse, W. and Sugimoto, Y. Characterization of 42 highly polymorphic bovine microsatellite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BOVINE01 20 bp DNA Bovine DNA for microsatellite marker, D83281
                                                               Hirano,T., Nakane,S., Mizoshita,K., Yamakuchi,H., Inoue-Murayama,M., Watanabe,T., Barendse,W. and Sugimoto,Y. Characterization of 42 highly polymorphic bovine microsatellite
                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
                                                                                                                                                                                                                       D83311.1 GI:1199728 PCR primer.
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Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
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                                                    markers
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                                 Genet. 27
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93.8%;
                                   (5), 365-368 (1996)
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AR150318/c
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Best Local Similarity 93.8%;
Matches 15; Conservative
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Sequence 31
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Sequence
AR150318
AR150318.
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1 (bases 1 to 20)
Baker, B.F., Bennett, C.Frank., Butler, M.M. and Shanahan, W.R. Antisense oligonucleotide modulation of tumor necrosis factor-(.alpha.) (TNF-.alpha.) expression
                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 20)
Brooks-Wilson, A.R., Buckler, A.,
Miller, A. and North, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hirano,T., Nakane,S., Mizoshita,K., Inoue-Murayama,M
Barendse,W. and Sugimoto,Y.
Characterization of 42 bovine microsatellite markers
                                                                      Unknown.
                                                                                Unknown
                                                                                                                                                                                                                                                                                                                                                                            Asthma related genes Patent: US 6087485-A 317 11-JUL-2000;
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Direct Submission
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                                                       Unclassified.
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                                                                                                                                    394 from patent
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/mol_type="genomic DNA"
/db_xref="taxon:9913"
<1._.20</pre>
                                                                                                                                                                                                                                                                                                                       /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 7e+02;
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Matches 15; Conserv
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Sequence
AR158929
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1 (bases 1 to 20)
Shannon,K.W., Wolber,P.K., Delenstarr,G.C.,
Kincaid,R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 20)
Shannon, K.W., Wolber, P.K., Delenstarr, G.C.,
Kincaid, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent: US 6228642-A 394 08-MAY-2001;
Location/Qualifiers
                                                                                                                 Method for evaluating oligonucleotide probe sequences Patent: US 6251588-A 552 26-JUN-2001; Location/Qualifiers
                                                                                                                                                                                            Unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                         Method for evaluating oligonucleotide probe sequences Patent: US 6251588-A 551 26-JUN-2001; Location/Qualifiers
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                                       0.3%;
llarity 93.8%;
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                                                                                  /organism="unknown"
/mol_type="unassiqne
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                                                                                                                                                                                                                                                                                                                                                                                                        organism="unknown"
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AR158933
AR158933.1
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AR158931
AR158931.1
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                                          Unknown
                                                    Unknown.
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Query Match
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Sequence 55
AR158932
AR158932.1
                           1 (bases 1 to 20)
Shannon, K.W., Wolber, P.K., Delenstarr, G.C.,
Kincaid, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                              Method for evaluating oligonucleotide
Patent: US 6251588-A 554 26-JUN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 20)
Shannon, K.W., Wolber, P.K., Delenstarr, G.C.,
Kincaid, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Method for evaluating oligonucleotide probe sequences Patent: US 6251588-A 553 26-JUN-2001; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unclassified.
1 (bases 1 to 20)
Shannon,K.W., Wolber,P.K., Delenstarr,G.C.,
Kincaid,R.H.
Method for evaluating oligonucleotide probe sequences Patent: US 6251588-A 555 26-JUN-2001;
                                                                      Unclassified.
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llarity 93.8%;
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553 from patent US 6
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/mol_type="unassigned
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                                                                                                                                   GI:16221345
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Pred. No. 7e+02;
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Pred. No. 7e+02;
0; Mismatches 1;
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BD196364
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A method of arraying genome clone
Patent: WO 02072815-A 97 19-SEP-2002;
EIICHI SOEDA, TAKESHI KUKITA
OS ARTLIFICIAI Sequence
PN WO 02072815-A/97
PD 19-SEP-2002
PF 17-MAY-2001 WO 2001JP004139
PR 12-MAR-2001 JP 01P 68285
PI 12-MAR-2001 GENERAL SEQUENCE
CC DESCRIPTION OF ARTLIFICIAL SEQUENCE
                                                                                               synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
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Method for typing of minor histocompatiblity antigen Patent: JP 2002510978-A 2 09-APR-2002; RIJKS UNIVERSITEIT LEIDEN OS Artificial Sequence PN JP 2002510978-A/2 PD 09-APR-2002
                                                                                                                                                                                     אספטל 20 pp DNA linear F Method for typing of minor histocompatiblity antigen BD196364
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JP 2002510978-A/2.
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synthetic construct
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1 (bases 1 to 20)
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Description of Artificial Sequence: Synthetic DNA Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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93.8%; Pred. No. 7e+02;
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Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                              THORS Baker,B.F., Bennett,F.C., Butler,M.M. and Jr,W.J.S.

THORS Antisense oligonucleotide regulation of expression of tumor necrosis factor-alpha (TNF-alpha)

PARTHORS PARMACEUTICALS INC

TOS Artificial Sequence
PM JP 2002526125-A/394

PD 20-AUG-2002

PP 05-C.T.
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PC C12N15/
PC 00,A61P
PC A61P1/11
PC A61P1/12
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BD228191.1 GI:33037961
JP 2002526125-A/394.
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PR 05-OCT-1998 US 09/166186,18-MAY-1999 US 09/313932
BRENDA F BAKER, FRANK C BENNETT, MADELINE M BUTLER, WILLIAM J
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Description of Artificial Sequence:PCR primer
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23-JUL-1997
                                                    Conservative
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                               93.8%;
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EP 97202303.0,02-JUN-1998 EP
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Pred. No. 7e+02;
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RESULT 976 BD230280/c

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G01N33/50,
                                                                                                                         PF 25-FEB-2000 JP 2000601444

PR 26-FEB-1999 US 60/121767,05-AUG-1999 US 60/147404 PI

NATHALLE B SCHOLLER, INGEGERD HELLSTROW, KARL ERIK HELLSTROM PC

G01N33/574, C07K14/82, C07K16/32, C07K16/46, C07K19/00, C12N1/15, PC

C12N1/19,
                                                                                                                                                                                                                                                                                              synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 20)
Scholler, N.B., Hellstrom, I. and Hellstrom, K.B.
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Patent: JP 2002530931-A 149 17-SEP-2002;
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
OS Canis familiaris (dog)
PN JP 2002530091-A/149
PD 17-SEP-2002
                                                                                                                                                                                          PP PN OS
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Galibert, F. and Andre, C.
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Mammalia; Eutheria; Carnivora; Fissipedia; Canidae;
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JP 2002538434-A/5
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13-NOV-1998 US 60/108193
FRANCIS GALIBERT, CATHERINE ANDRE
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organism='Artificial Sequence'.
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/mol_type="genomic DNA"
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                                                                                                                       Method for predicting a drug transport capability by abcg2 polymorphisms
Patent: WO 2003107249-A 20 24-DEC-2003;
BANYU PHARMACEUTICAL CO., LTD. (JP)
Location/Qualifiers
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CQ754279.1 GI:44845535
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Patent: WO 2004001069-A 17 31-DEC-2003;
Universite Louis Pasteur de Strasbourg
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/mol_type="genomic DNA"
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/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Sequence 3 from Patent WO2004029228.
CQ797897
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Sequence 1 from Patent WO2004029271.
CQ798002
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Recombinant microorganism for the production of vitamin b6
Patent: WO 2004029271-A 1 08-APR-2004;
DSM IP Assets B.V. (NL)
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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S Usuta, Y. and Kurahashi,O.

Process for producing L-methionine by fermentation

Patent: JP 2000139471-A 12 23-MAY-2000;

AJINOMOTO CO INC

OS Artificial Sequence

PN JP 2000139471-A/12

PD 23-MAY-2000

PF 17-NOV-1998 JP 1998326717
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JP 2000154149-A/109.
synthetic construct
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PI SHIN YONEHARA
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JP 2000139471-A/12.
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/db_xref="taxon:32630"
/organism="synthetic construct"
/mol_type="genomic DNA"
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AR224582/c
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AR220998
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AR224582.1
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AR220998
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nilarity 93.8%;
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AR225904
AR225904.1
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AR225902
AR225902.1
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                                                                                                                                          Unknown.
Unclassified.
1 (bases 1 to 20)
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                                                                                                Antisense modulation of E2F transcription Patent: US 6444464-A 54 03-SEP-2002; Location/Qualifiers
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/mol_type="genomic DNA"
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Sequence 127
AR230867
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1 (bases 1 to 20)

1 (bases 1 to 20)

Popoff, I. and Cowsert, L.M.

Antisense modulation of PARP expression

Patent: US 6451602-A 127 17-SEP-2002;

Location/Qualifiers
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Sequence 24 from patent US 6455308
AR232329
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Sequence 4 from patent US
AR237828
AR237828.1 GI:27282650
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Unclassified.
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1 (bases 1 to 20)
Luthman, L.H. and Galli, L.G.J.
Congenic animal models of non-insulin dependent diabetes mellitus
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Freier, S.M.
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/mol_type="genomic
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Sequence 49
AR255990
AR255990.1
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Freier,S.M. and Wyatt,J.
Antisense modulation of syntaxin 4 interacting
Patent: US 6503756-A 247 07-JAN-2003;
Location/Qualifiers
                                                                                                                                                                                                                Unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unknown
                                                                                                                                                                                                                                                                Sequence 247 from patent AR272177
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Cowsert, L.M.
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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RESULT 994 AR295874/c

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Local Similarity 93.8%;
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Unknown.
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Griffais,R., Hoiseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
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Cohen, D., Chumakov, I. and Blumenfeld, M.

Biallelic markers for use in constructing disequilibrium map of the human genome Patent: US 6537751-A 7609 25-MAR-2003;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                Chlamydia pneumoniae polynucleotides and uses thereof Patent: US 6559294-A 6012 06-MAY-2003; Location/Qualifiers
                                                                                          Unknown
                                                          Wyatt,J.
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                     Antisense modulation of EDG1 expression Patent: US 6716975-A 53 06-APR-2004; Location/Qualifiers
                                                                               Unclassified
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/mol_type="genomic DNA"
/organism="unknown"
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Pred. No. 7e+02;
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AX000370
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METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY
PATENT: WO 9905313-A 2 04-FEB-1999;
UNIV LEIDEN (NL); GOULMY ELS (NL)
Location/Qualifiers
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Sequence 14 from Patent WO0140309
AX155565
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Sequence 2 from Patent WO9905313.
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Patent: WO 0140309-A 14 07-JUN-2001;
                                                                                                                                                                                                                 Devaux, B., Keller, G.A., Koeppen, H. and Lasky, L.A. Anti-prostate stem cell antigen (psca) antibody c
                                                                                                                                                                                                                                                         artificial sequences.
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Similarity 93.8%;
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nilarity 93.8%;
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                                                                                                /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Sequence is a primer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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AX326957/c
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AX298492
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Sequence 153 from Patent WO0178894.
AX326957
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Patent: WO 0183749-A 126 08-NOV-2001;
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Sequence 126 from Patent
AX298492
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Method of designing addressable array for detection of nucleic acid
sequence differences using ligase detection reaction
Patent: WO 0179548-A 6364 25-OCT-2001;
CORNELL RESEARCH FOUNDATION, INC. (US)
Location/Qualifiers
              AX326957.1
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                                                                                                       /organism="Mus sp."
/mol_type="unassigned DNA"
/db_xref="taxon:10095"
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/db_xref="taxon:32630"
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RESULT 1003
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AX394069/c
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Best Local S
Matches 15
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Best Local Similarity 93.8%;
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                                                                                                                                        AX404000
Sequence 14 from Patent
AX404000
AX404000.1 GI:21437342
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AX394069
           Respiratory chain enzyme genes of coryneform bacteria Patent: EP 1195433-A 14 10-APR-2002; Ajinomoto Co., Inc. (JP)
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Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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Pred. No. 7e+02;
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Pred. No. 7e+02;
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AX488099
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AX556410/c
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Best Local S
Matches 15
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Best Local Similarity
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Sequence 45 from Patent WOO2074992.
AX556410
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Location/Qualifiers
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                                                                                                                                                                               Human stroke gene
Patent: WO 02074992-A 45 26-SEP-2002;
Decode Genetics EHF. (IS)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Saccharomycetales; mitosporic Saccharomycetales; Candida.
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TCTACCAAGCCCTGAA 4736
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/mol_type="unassigned DNA"
/db_xref="taxon:5476"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                      /mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                     organism="Homo sapiens"
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                                                          0.3%; Score 14.4; DB 1; Length 20; 93.8%; Pred. No. 7e+02;
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Pred. No. 7e+02;
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AX665193
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AX611060
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Matches 15
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Best Local Similarity 93.8%;
Matches 15; Conservative
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Sequence 102 from Patent
AX674975
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Sequence 30 from Patent EP1275716.
AX665193
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Patent: WO 02072882-A 2085 19-SEP-2002;
OGHAM GmbH (DE)
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                                                                                                                                                                                                                                                                                                                                                                                                synthetic construct
synthetic construct
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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            AX674975.1 GI:29333308
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Similarity 93.8%;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer M11-3"
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/db_xref="taxon:9606"
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Pred. No. 7e+02;
0; Mismatches 1;
                                                                                                                                                                                   Score 14.4; DB Pred. No. 7e+02;
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AX708795/c
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                                                                                                                                                                                                                                                                        16
                                                                                                                                                          Sequence 64 from Patent AX708882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Means and methods for identifying genes and proteins involved
the prevention and/or repair of a replication error
Patent: WO 02095071-A 11 28-NOV-2002;
Koninklijke Nederlandse Akademie van Wetenschappen (NL)
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Vanilloid receptor-related nucleic acids and polypeptides Patent: WO 02101045-A 64 19-DEC-2002;
                                 Bevan, s
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AX708795
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                            Patapoutian, A., Song, C., Ganju, P., Peier, A., Mcintyre, P. and
                                                                                                                                           AX708882.1
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unasigned DNA"
/db xref="taxon:32630"
/note="Primer Y54G11A_A"
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Sequence 2 from Patent WO03054230.
AX798039
AX798039.1 GI:37604329
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synthetic construct
artificial sequences.
                                                                              Detection of disease due to abnormal Patent: WO 03054230-A 2 03-JUL-2003; KING'S COLLEGE LONDON (GB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Biotechnology (JP)
Location/Qualifiers
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Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                        Homo sapiens (human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent: EP 1308459-A 4009 07-MAY-2003;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                               Location/Qualifiers
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/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="an artificially synthesized primer sequence"
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Local Similarity 93.8%;
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OS Artificial Sequence
PN WO 0109319-A/15
PD 08-FEB-2001
PF 28-JUL-2000 WO 2000JP005065
PF 28-JUL-1999 JP 99P 248036,11-JAN-2000 JP 00P 118776 PR 18-OCT-1999 US 60/159590,17-FEB-2000 US 60/183322 PI TOSHIO OTA, TAKAO ISOCAI, TETSUO NISHIKAWA, KOJI HAYASHI, PI KAORU SAITO, PI JUNICHI YAMAMOTO, SHIZUKO ISHII, TOMOYASU SUGIYAMA, AI WAKAMATSU, PI KEIICHI NAGAI, TETSUJI OTSUKI, YOJI YAMADA, KAZUHIRO SAKURADA, PI MASAYA OBAYASHI
PC C12N15/12,C12Q1/68,C12P21/02,C07K14/425,A61K38/17,A61P9/10 CC DESCRIPTIOTO OF Artificial Sequence: Artificially synthesized
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artificial sequences.

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Matsushima,K., Hashimoto,S., Suzuki,T.
Human maturod/activated dendritic cell
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CC
FH Key
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Human genes specifically expressed in fetal cardiac muscle
Patent: WO 0109319-A 15 08-FBB-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PC C12N15/14/C12-, Description of Artificial
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BD012400
                                                                                                   JP 2001327293-A/327.
                                                                                                                                                   BD083406 20 bp
Human matured/activated dendritic
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synthetic construct
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WO 0109319-A/15.
                                                                                                                    BD083406.1 GI:22629016
                                                                                                                                    BD083406
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1 (bases 1 to 20)
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Pred. No. 7e+02;
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 and Nagai,S. expression g
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Best Local 9
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BD090219
A method
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PC C12N15/12,C07K14/47,C12N15/62,C07K16/18,A61K38/16 CC
Description of artificial sequence: primer
FH Key Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent: JP 2001327293-A 327 27-NOV-2001;
JAPAN SCIENCE AND TECHNOLOGY CORP
OS Artificial Sequence
PN JP 2001327293-A/327
PD 27-NOV-2001
PF 22-MAY-2000 JP 2000150562
PF 12-MAY-2000 JP 2000150562
PF 12-MAY-2000 JP 2000150562
PF 12-MAY-2000 JP 2000150562
PF 12-MAY-2000 JP 2000150562
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JP 2001521382-A/4.
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1 (bases 1 to 20)
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JP 2001521382-A/4
06-NOV-2001
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04-APR-1997 US 08/832633,11-JUN-1997 US
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Location/Qualifiers.
                                                                                                                                            Conservative
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Artificial Sequence: Synthesized Oligonucleotide FH Key
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7e+02;
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Pred. No. 7e+02;
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BD091862/c
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AUTHORS
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                                                                                                                                                                          artificial sequences.

It (bases 1 to 20)

Takei, M., Sawada, S., Ishiwata, T., Sasaki, K. and Nishi, T.

Takei, M., Sawada, S., Ishiwata, T., Sasaki, K. and Nishi, T.

Diagnostic method for chronic rheumatism

L Patent: WO 0075313-A 5 14-DEC-2000,

RYOWA HAKKO KOGYO CO LTD, MASAMI TAKKI, SHIGEMASA SAWADA, TETSUYOSHI ISHIWATA, KATSUTOSHI SASAKI, TATSUNARI NISHI

OS Artificial Sequence

PN WO 0075313-A/5

PD 14-DEC-2000

PF 01-UN-2000 WO 2000JP003552

PR 02-JUN-1999 JP 99P 154625

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OS Artific
PN JP 2001
PD 20-NOV-
PF 12-MAR-
PI EIICHI
PC C12N15/00,
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Patent: JP 2001321190-A 2463 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
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1 (bases 1 to 20)
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JP 2001321190-A/2463.
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                                                                                                                                                Description of Artificial Location/Qualifiers.
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12-MAR-2001 JP 2001068285
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JP 2001321190-A/2463
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/mol_type="genomic DNA"
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organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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BD133506/c
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BD130023
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S Wilson,A.R.B., Buckler,A., Ca
Miller,A. and North,M.
Asthma-associated gene
Patent: JP 200250085-A 313 15
AXYS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002500895-A/313
PD 15-JAN-1998 JP 200065027
                                                                                                                                                                                                                                                                                                          2184 CCTTGCCCAGGCTCTC 2199
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                                                                                                Respiratory chain enzyme g
BD133506
BD133506.1 GI:23228451
JP 2002078490-A/7.
synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Strandedness: Single;
CC Topology: Linear;
CC Asthma-associated
FH Key
FT Source
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Respiratory chain enzyme gene of coryneform Patent: JP 2002078490-A 7 19-MAR-2002; AJINOMOTO CO INC OS Artificial Sequence PN JP 2002078490-A/7 PD 19-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PF 21-JAN-1998 JP 2000528715
PI ANGELA R BROOKS WILSON, ALAN BUCKLER, LON
CARDON, ALISOUN H CAREY,
PI MARGARET GALVIN, ANDREW MILLER, MICHAEL NORTH
PI MARGARET GALVIN, ANDREW MILLER, MICHAEL NORTH
C1201/68, A01K67/027, C07K14/47, C12N15/09, C12N15/00
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Asthma-associated gene.
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                                                                                                                                                                                                                                                                                                                                                                                                       /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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1. .20
/organism='Unidentified'
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Pred. No. 7e+02;
                                                                                                                                                                                                    gene
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of coryneform bacterium.
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A57717/c
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A51172
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Chen,R., Doiron,B. and Kahn,A.
GLUCOSB-INDUCIBLE RECOMBINANT VIRAL VECTOR
PATENT: WO 9632489-A 3 17-OCT-1996;
INST NAT SANTE RECH MED (FR)
Other publication AU 5652396 961030
Other publication FR 2732978 961018.
Location/Qualifiers
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Sequence 3 from Patent WO9632489.
A57717
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Beckmann, J. and Richard, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        unidentified
                                                                                                                     unidentified unidentified
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                                                                                                                                                             A57717.1 GI:3713541
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ASS FRANCAISE CONTRE LES MYOPA (FR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LGMD gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          unclassified.
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nilarity 68.4%;
Conservative
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NOBUSHI SONE
C11N15/09,C07K14/34,C12N9/04//C12P21/02,(C12N15/09,C12R1:15),
(C12N9/04,C12R1:15),(C12P21/02,C12R1:15),C12N15/00,(C12N15/00,C12R1:15)
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                                                                                                                                                                                                                                                                                                                                                                         /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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84.2%; Pred. No. 7.3e+02;
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Pred. No. 7e+02;
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A68209/c
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Best Local S
Matches 16
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TITLE
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Collingwood, S. P., Moser, H. B., Altmann, K. and Douglas, M. E.
INTERMEDIATES FOR OLIGONUCLECTIDE SYNTHESIS
Patent: WO 9747636-A 4 18-DEC-1997;
CIBA GEIGY AG (CH)
                                                                                                                                                                                                                                                                                        Sequence
A76997
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Sequence 4 from Patent WO9747636.
A68209
                                                                                                                                               Patent: EP 0717110-A 41 19-JUN-1996;
ASS FRANCAISE CONTRE LES MYOPA (FR)
Location/Qualifiers
                                                                                                                                                                                          unclassified.
1 (bases 1 to 19)
Beckmann, J. and Richard, I.
                                                                                                                                                                                                                                        unidentified
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Similarity 84.2%;
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 CCAGGAGCTCTGTGGGTCA 19
                       CCAGGAGCTCTTCGGGTGA 641
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41 from Patent EP0717110.
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Pred. No. 7.3e+02;
0; Mismatches 3;
                                             Score 14.2; DB 1
Pred. No. 7.3e+02
0; Mismatches
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Pred. No. 7.3e+02;
0; Mismatches 3;
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AR027790/c
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Best Local Similarity
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Best Local Similarity 84.2%;
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AR027790
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Leclerc,G. and Martel,R.
Radiolabeled DNA oligonucleotide and method
Patent: US 5821354-A 1 13-OCT-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oligonucleotide primers, and their application for high-fidelity detection of non-A, non-B hepatitis virus Patent: US 5856458-A 21 05-JAN-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1 from patent AR048767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 19)
Okamoto, H. and Nakamura, T.
                                                                                                                                  AR111371
Sequence 1 from patent US
AR111371
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                       1 (bases 1 to 19)
Leeds J.M. and Cummins, L.L.
Fluorescence based nuclease assay
Patent: US 6127124-A 1 03-OCT-2000;
                                                                                   Unknown
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                    0.3%; Score 14.2; DB 1;
84.2%; Pred. No. 7.3e+02;
                                                                                                                                                                                                                                                                                                                      _type="unassigned DNA"
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Pred. No. 7.3e+02;
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AR111946/c
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AR111948/c
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Best Local Similarity 84.2%;
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Best Local Similarity
Matches 16; Conserv
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AR111946
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Patent: US 6127533-A 21 03-OCT-2000;
Location/Qualifiers
1. .19
                                                                                                                                                                                                                                                                               Unknown
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminoovy-modified oligonuclectides
Patent: US 6127533-A 20 03-OCT-2000;
                                                                                                                                                                                                                                          Unclassified.
1 (bases 1 to 19)
Cook, P.Dan., Mancharan, M. and Kawasaki, A.Mamoru.
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/mol_type="unassigned DNA"
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Pred. No. 7.3e+02;
0; Mismatches 3;
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Pred. No. 7.3e+02;
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Pred. No. 7.3e+02;
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AR111949/c
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19 AAAAAAAAAAAAAAAAAAA 1
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Unclassfied.
1 (bases 1 to 19)
1 (bases 1 to 19)
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminoxy-modified oligonucleotides
Patent: US 6127533-A 23 03-OCT-2000;
Location/Qualifiers
                                                                           Cok, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminoxyy-modified oligonucleotides
Patent: US 6127533-A 24 03-OCT-2000;
Location/Qualifiers
                                                                                                                                                                                                     Sequence 24
AR111950
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AR111949
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 22 03-OCT-2000;
Location/Qualifiers
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Unclassified.
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/mol_type="unassigned DNA"
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84.2%; Pred. No. 7.3e+02;
           0.3%;
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84.2%; Pred. No. 7.3e+02;
tive 0; Mismatches 3;
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AR111952/c
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KEYWORDS
SOURCE
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AR111951/c
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AR111953/c
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Sequence 27:
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Sequence 26:
AR111952
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Sequence
AR111951
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 26 03-OCT-2000;
Location/Qualifiers
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 25 03-OCT-2000;
Location/Qualifiers
                        Unknown.
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            Unclassified.
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Similarity 84.2%;
16; Conservative
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Similarity 84.2%;
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/mol_type="unassigned DNA"
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Pred. No. 7.3e+02;
0; Mismatches 3
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Pred. No. 7.3e+02;
0; Mismatches 3;
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Best Local Similarity 84.2%;
Matches 16; Conservative
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19 AAAAAAAAAAAAAAAAAA 1
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 33 03-OCT-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 (bases 1 to 19)
Cook, P.Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 31 03-OCT-2000;
Location/Qualifiers
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Sequence 31 from patent US 6127533.
AR111957
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2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 27 03-OCT-2000;
Location/Qualifiers
                                                                                                                                                                                                                  Unknown
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/mol_type="unassion"
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/mol_type="unassigned DNA"
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AR111970/c
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Sequence 20
AR124843
AR124843.1
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Sequence 34
AR111960
AR111960.1
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Unknown.
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 44 03-OCT-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 19)
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 34 03-OCT-2000;
Location/Qualifiers
                                    1 (bases 1 to 19)
Manoharan, M., Cook, P. Dan., Prakash, T.P. and Kawasaki, A.M. Aminooxy-modified oligonuclectides and methods for making Patent: US 6172209-A 20 09-JAN-2001;
                                                                                                 Unknown
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AR111970
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AR124846/c
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AR124845/c
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AR124844/c
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Sequence 23
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AR124845
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                                                                                                                                                                                                         1 (bases 1 to 19)
Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Aminooxy-modified oligonucleotides and methods for making
Patent: US 6172209-A 22 09-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 19)
Manoharan, M., Cook, P.Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonucleotides and methods for making
Patent: US 6172209-A 21 09-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                         Unknown
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84.2%; Pred. No. 7.3e+02;
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                                                                                                                                                                         _type="unassigned DNA"
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Manoharan, M., Cook, P. Dan., Prakash, T.P.
Aminooxy-modified oligonucleotides and n
Patent: US 6172209-A 24 09-JAN-2001;
Location/Qualifiers
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Sequence 24 from patent US
AR124847
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Manoharan, M., Cook, P. Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonucleotides and methods for making
Patent: US 6172209-A 23 09-JAN-2001;
Location/Qualifiers
                                                                                   Manoharan,M., Cook,P.Dan., Prakash,T.P.
Aminooxy-modified oligonucleotides and m
Patent: US 617209-A 25 09-JAN-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Aminooxy-modified oligonucleotides and methods for making same
Patent: US 6172209-A 26 09-JAN-2001;
Location/Qualifiers
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AR124849
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Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.

Aminooxy-modified oligonucleotides and methods for making

Patent: US 6172209-A 27 09-JAN-2001;

Location/Qualifiers
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Manoharan, M., Cook, P.Dan.,
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Sequence 33
AR124856
AR124856.1
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Manoharan, M., Cook, P. Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonuclectides and methods for making
Patent: US 6172209-A 34 09-JAN-2001;
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Manoharan, M., Cook, P.Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonuclectides and methods for making
Patent: US 6172209-A 33 09-JAN-2001;
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Best Local Similarity 84.2%;
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AR124867
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Sequence 21 from patent US
AR135292
AR135292.1 GI:14124197
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COOK, P.Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 20 27-FEB-2001;
Location/Qualifiers
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Sequence 20 from patent US
AR135291
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Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.

Aminooxy-modified oligonucleotides and methods for making

Patent: US 6172209-A 44 09-JAN-2001;

Location/Qualifiers
                                 Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 21 27-FEB-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Pred. No. 7.3e+02;
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AR135294/c
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AR135295/c
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Best Local Similarity 84.2%;
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Sequence 24
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AR135293
AR135293.1
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AR135294
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                                                                                                                                                                                                                                               Cook, P.Dan., Manoharan, M. and Kawasaki, A.Mamoru. Aminooxy-modified oligonucleotide synthetic inte Patent: US 6194598-A 23 27-FEB-2001;
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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from patent US 6194598.
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Pred. No. 7.3e+02;
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Unknown.
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic inte
Patent: US 6194598-A 26_27-FEB-2001;
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonuclectide synthetic inte
Patent: US 6194598-A 25 27-FEB-2001;
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.

Aminooxy-modified oligonucleotide synthetic intermediates

Patent: US 6194598-A 24 27-FEB-2001;
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AR135298
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AR135302
1 (bases 1 to 19)
Cook, P.Dan., Manoharan, M. and Kawasaki, A. Man
Aminooxy-modified oligonucleotide synthetic
                                 Unknown.
Unclassified.
                                                                                                                                                                                                                                                                                                     1 (bases 1 to 19)
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonuclectide synthetic inte
Patent: US 6194598-A 31 27-FEB-2001;
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Aminooxy-modified oligonuclectide synthetic inte
Patent: US 6194598-A 27 27-FEB-2001;
Location/Qualifiers
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1 (bases 1 to 19)
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                                                                                                                                                                                                                                                          /mol_type="unassigned
                                                                                                                                                                                                                                                                   organism="unknown"
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                                                                                                                                                                                                                         Score 14.2; DB 1;
Pred. No. 7.3e+02;
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Pred. No. 7.
            M. and Kawasaki, A. Mamoru
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AR135305/c
RESULT 1063
AR137255
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AR135315/c
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                                                                                                                                                                                             Unclassified.

1 (bases 1 to 19)

1 (bases 1 to 19)

Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.

Aminooxy-modified oligonucleotide synthetic intermediates

Patent: US 6194598-A 44 27-FEB-2001;
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AR135315
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AR135305
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Location/Qualifiers
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                                                                                                                                                                                                                                                                               Unknown.
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44 from patent US 6194598.
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                                                                                                                                                /mol_type="unassigned DNA"
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84.2%; Pred. No. 7.3e+02;
ktive 0; Mismatches 3
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Pred. No. 7.3e+02;
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RESULT 1064
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SOURCE
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AR153863/c
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AR153863
AR153863.1
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Sequence 4:
AR141898
AR141898.1
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AR137255
AR137255.1
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Patent: US 6238624-A 16 29-MAY-2001;
Location/Qualifiers
                                 1 (bases 1 to 19)
Heller, M.J., Tu, E., Evans, G.A. and Sognowski, R.G.
Methods for transport in molecular biological analysis and
                                                                                                                                                                                                                                                                                                                                                            Patent: US 6147200-A 4 14-NOV-2000;
Location/Qualifiers
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Location/Qualifiers
1. .19
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Norberg, L. Torbjorn., Andersson, M. Kristina. and
Lindstrom, P. Harry. Rutger.
                                                                                   Unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unknown.
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                        diagnostics
                                                                      Unclassified.
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/mol_type="unassigned DNA"
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from patent US 6147200.
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from patent US 6238624.
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Pred. No. 7.3e+02
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RESULT 1068
BD195367/c
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AUTHORS
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AR175911/c
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AR164173/c
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Best Local Similarity
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Matches 16; Conserv
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Manoharan,M., Mohan,V. and Boswell,H.
RNA targeted 2'-modified oligonuclectides
preorganized
Patent: US 6271358-A 6 07-AUG-2001;
Location/Qualifiers
                                                                                                                                                                         1 (bases 1 to 19)
Chen, R., Doiron, B. and Kahn, A.
Glucose-inducible recombinant viral vector
Patent: US 639978-A 3 30-OCT-2001;
Location/Qualifiers
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Sequence 6 from patent US
AR164173
AR164173.1 GI:16235162
                                                                                                                                                                                                                                                                                        AR175911
Sequence 3 from
AR175911
 BD195367
                                                                                                                                                                                                                                              Unknown.
                                                                                                                                                                                                                                                        Unknown.
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ilarity 84.2%;
Conservative
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/mol_type="unassigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism="unknown"
                                                                                                                                                       organism="unknown"
                                                                                                           0.3%;
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                                                                                                                                           _type="unassigned DNA"
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Pred. No. 7.
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Pred. No. 7.
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Pred. No. 7
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OS Artificial Sequence
PN JP 2002514911-A/12
PD 21-MAY-2002
PD 21-MAY-2002
PF 02-DEC-1996 US 60/0322:
PI ROY CLIFFORD LEVITT, LUIGI
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PI J HOLROYD
PC C12N15/12, C07K14,
PC C12N5/10,
PC C12N15/11
CC Description of A
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                                                                      C12N1/19,
PC C12N
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1 (bases 1 to 19)

Levitt,R.C., Grasso,L., Nicolaides,N.C. and Holroyd,K.J.

IL-9 receptor variants, useful in treating and diagnosing atopic allergies including asthma and related disorders

Patent: JP 2002514911-A 12 21-MAY-2002;
                                                                                                                                                                                                                                                     Cohen,D., Blumenfeld,M., Chumakov,I. and Prostatic cancer gene Patent: JP 2002516657-A 489 11-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (human)
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allergies including asthma and related disorders.
                                                                                                        PF 22-DEC-1998 JP 2000525562
08/996306,09-SEP-1998 US 60/099658 PI 22-DEC-1997 US 08/996306,09-SEP-1998 US 60/099658 PI DANIEL COHEN, MARTA BLUPKENFELD, ILVA CHUMAKOV, LYDIE BOUGUELERET PC C12N15/09,C12N15/09,A01K67/027,C07K14/47,C07K16/18,C12N1/15, PC
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo
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BD195367.1 GI:33005137
PC C12N1/21,C12N5/10,C12N5/10,C12P21/08,C12Q1/68,G01N33/50 PC C12N15/00,C12N15/00
PC C12N15/00,C12N15/00
CC potential microsequencing oligo for 4-4-187.mis2 FH Key Location/Qualifiers
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Location/Qualifiers
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02-DEC-1996 US 60/032224
ROY CLIFFORD LEVITT, LUIGI GRASSO, NICHOLAS
                                                                                                                                                                                                    Homo sapiens (human) 
JP 2002516657-A/489
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7.3e+02
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SOURCE
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JOURNAL
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Matches 16; Conservative
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Best Local Similarity
Matches 16; Conserv
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artificial sequences.
1 (bases 1 to 19)
Norberg, L.T., Anderss
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Genes for assessing
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JP 2002513587-A/78.
                                       synthetic construct
synthetic construct
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1 (bases 1 to 19)
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                                                                 JP 2002527079-A/2.
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Description of Artificial Sequence:PNA probe, HER-2, position
                                                                                                                                                                                                                                                                                                                                                                                       Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-MAY-1999 JP 2000547260
04-MAY-1998 DK 0615/98
JACOBS JOHANNES MARIA VAN DONGEN,KARL JOHAN PLUZEK,KIRSTEN
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ilarity 84.2%;
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                                                                                                                                                                                                                                                                                                                                             /organism='Artificial Sequence'
                                                                                                                                                                                                                                                                                              /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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 Andersson, M.K.,
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Pred. No. 7.3e+02;
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  Lindstrom, P.H.R.
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chromosome
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  and Jonsson, L.
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sitions for use
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                                                                                                          PREDITE JP 2002543215-A 15 17-DEC-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002543215-A/15
PD 17-DEC-2002
PF 03-MAY-2000 JP 2000615638
PR 03-MAY-2000 JP 2000615638
PR 03-MAY-1999 US 09/303586
PI MUTHIAH MANOHARAN, VENKATRAMAN MOHAN
PC C12N15/00
CC 01igonucleotide
CC 3' - O-MOE linkage
FF Key Location/Qualifiers
FT misc_feature (16)...(17)
PT misc_feature (17)...(18)
FT misc_feature (18)...(19).
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Patent: JP 2002527079-A 2 27-AUG-2002;
PAIROSEAKENSINGU AB
OS Artificial Sequence
PN JP 2002527079-A/2
PD 27-AUG-2002
PF 13-OCT-1999 UF 200576056
PR 14-OCT-1998 US 60/104286,14-OCT-1998 US
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1 (bases 1 to 19)
Manoharan, M. and Mohan, V.
Oligonucleotides having A
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Oligonucleotides having A-DNA
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MUTHIAH MANOHARAN, VENKATRAMAN MOHAN
CONTELL (02, A61K48/00, A61P35/00, A61P35/02, A61P43/00, C12N15/09,
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C12Q1/68, C12N15/09//G01N33/53, G01N33/566, C12N15/00
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|mol_type="genomic DNA"
|db_xref="taxon:32630"
/organism="synthetic construct"
/mol_type="genomic DNA"
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Pred. No. 7.3e+02;
0; Mismatches 3;
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Oligonucleotides having
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Patent: (
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                                  artificial sequences.
1 (bases 1 to 19)
Manoharan, M. and Mohan, V.
Oligonucleotides having A
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1 (bases 1 to 19)
Manoharan, M. and Mohan, V.
Oligonucleotides having A
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PHARMACEUTICALS INC
Artificial Sequence
JP 2002543215-A/16
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llarity 84.2%;
Conservative
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MUTHIAH MANOHARAN, VENKATRAMAN MOHAN
C07H21/02, A61K48/00, A61P35/00, A61P35/02, A61P43/00, C12N15/09
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03-MAY-1999 US 09/3035
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- O-MOE linkage
- O-MOE linkage
   JP 2002543215-A 17 17-DEC-2002;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7.3e+02;
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Oligonucleotides having a
geometry.
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BD274441.1 GI:33084209
JP 2002543215-A/18.
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16; Conservative
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Manoharan, M. and Mohan, V.
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Artificial Sequence
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2'- O-MOE; sub O linkage
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C07H21/02, A61K48/00, A61P35/00, A61P35/02, A61P43/00, C12N15/09,
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C07H21/02,A61K48/00,A61P35/00,A61P35/02,A61P43/00,C12N15/09,
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
Location/Qualifiers (15) . .(16) (16) . .(17) (17) . .(18) (18) . .(19) (19) . . .(19)
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Pred. No. 7.3e+02
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                                      Sequence
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Patent: 0
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Oligonucleotides having A-DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   artificial sequences.

1 (bases 1 to 19)

Manoharan,M. and Mohan,V.

Oligonucleotides having A-DNA form and B-DNA form confirmational
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synthetic construct
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                            CQ760576.1
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2'-modified T linkage
2'-modified T linkage
2'-modified T linkage
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misc_feature
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03-MAY-2900 JP 2000615638
03-MAY-1999 US 09/303586
MUTHIAH MANOHARAN, VENKATRAMAN MOHAN
C07H21/02, A61K48/00, A61P35/00, A61P35/02, A61P43/00, C12N15/09,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PHARMACEUTICALS INC
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JP 2002543215-A/26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JP 2002543215-A 26 17-DEC-2002;
                                                   18 from Patent WO2004003229.
                                                                                                                                                                                                                           /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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84.2%; Pred. No. 7.3e+02;
                                                                                                                                                                                                                                                                                         Location/Qualifiers
(16) . . (17)
(17) . . (18)
(18) . . (19)
(19) . . (19)
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Pred. No. 7.3e+02;
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CQ799990/c
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Best Local Similarity 84.2%;
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1 (bases 1 to 19)

Takashi,F., Shigetoshi,K., Makoto,H. and Keizo,S. Method for discriminating and detecting human coagene polymorphism
Patent: JP 1999313676-A 75 16-NOV-1999;
OTSUKA PHARMACEUT CO LTD
                                                                                                                                                                                                                                                                                            16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19 bp RNA
Sequence 88 from Patent WO2004030660.
CQ799990
CQ799990.1 GI:46848937
                                                                                                                gene polymorphism.
E29828
E29828.1 GI:13016924
JP 1999313676-A/75.
                                                                                        unidentified unidentified
                                                                                                                                                                 Method for discriminating and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               synthetic construct artificial sequences.
                                                                                                                                                                              E29828
                                                                             unclassified.
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/db_xref="taxon:32630"
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Pred. No. 7.3e+02
0; Mismatches
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Pred. No. 7.3e+02;
0; Mismatches 3
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Gleave,M.E., Rocchi,P. and Signaevsky,M.
Compositions for treatment of prostate and other cancers
Patent: WO 2004030660-A 88 15-Apr.2004;
The University of Brilish Columbia (CA)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nex,B.R., Vogel,U., Rockenbauer,E. and Bukowy,Z.K. Disease risk estimating method using sequence polyspecific region of chromosome 19 Patent: WO 2004003229-A 18 08-JAN-2004; harhus University (DK); Arbejdsmilj Institutet (Institute of Occupational Health) (DK)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                          bp DNA linear PAT 18-JUN-2001 detecting human coagulation factor V
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144034/c
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Best Local Similarity 84.2%;
Matches 16; Conservative
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Feedcrops enriched in sulfur amino acids improvements
Patent: US 5633436-A 8 27-MAY-1997;
Location/Qualifiers
                                                1 (bases 1 to 19) Wandelt, C.I.
                                                                                            Unknown.
                                                                                                                                Sequence 8 from patent US I44034
                                                                                                                                                                                                                                                                                                                                                                                               Weber,J.L.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Unknown.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 82 from patent US I31170
                                                                                                                     144034.1
                                                                                                                                                                                                                                                                                                                                                                                                                      Unclassified.
                                                                       Unclassified.
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JP 199313676-A/75
16-NOV-1999
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Strandedness: Single;
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/organism='Unidentified'
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                       organism="unknown"
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Pred. No. 7.3e+02;
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AR205799/c
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Sequence 16
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Patent: US 6369209-A 16 09-APR-2002;
Location/Qualifiers
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
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Patent: US 6369209-A 15 09-APR-2002;
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Sequence 15 from patent US
AR205798
AR205798.1 GI:21503472
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Manoharan, M. and M
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                                                        n 0.3%; Score 14.2; DB 1; Similarity 84.2%; Pred. No. 7.3e+02;
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1. .19
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                                                                                                                                                                                                                                                                           from patent US 6369209.
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Pred. No. 7.3e+02;
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RESULT 1084 AR205800/c

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AR205809/c
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                                          AUTHORS
TITLE
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Best Local Similarity
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Best Local Similarity 84.2%;
Matches 16; Conservative
                     JOURNAL
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Patent: U
                    geometry
Patent: l
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
                                       1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 18
AR205801
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Location/Qualifiers
          US 6369209-A 26 09-APR-2002;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                 /organism="unknown"
/mol_type="unassigned DNA"
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Pred. No. 7.3e+02;
0; Mismatches 3
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Pred. No. 7
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AR213492/c
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AUTHORS
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AR213491/c
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AR213490/c
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Sequence 2 from patent US
AR213491
AR213491.1 GI:23310722
 AR213492
                                                                                                                                                                                     Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 6403779-A 2 11-JUN-2002;
Location/Qualifiers
                                                                                                                                                                                                                          Unclassified.
1 (bases 1 to 19)
Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and Prakash, T.P.
                                                                                                                                                                                                                                                                           Unknown
                                                                                                                                                                                                                                                                                      Unknown.
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and Prakash,T.P.
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Similarity 84.2%;
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/mol_type="genomic |
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/mol_type="genomic |
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/mol_type="unassigned
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Pred. No. 7.3e+02;
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Pred. No. 7.3e+02;
0; Mismatches 3;
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AR213494/c
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Matches 16;
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JOURNAL
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Best Local Similarity
Matches 16; Conserv
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AR213492
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1 (bases 1 to 19)

Kawasaki, A.M., Praser, A.S.,

Prakash, T.P.
                                                                  Unclassified.
1 (bases 1 to 19)
Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and Prakash, T.P.
                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and Prakash,T.P.
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                                            Regioselective synthesis of 2'-O-modified nucleosides Patent: US 6403779-A 5 11-JUN-2002;
                                                                                                                     Unknown
                                                                                                                                                        AR213494.1
                                                                                                                                                                  Sequence 5 from AR213494
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AR213493
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llarity 84.2%; Pred. No. 7.3e
Conservative 0; Mismatches
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/mol_type="genomic |
                              Location/Qualifiers
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/mol_type="genomic |
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7.3e+02;
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7.3e+02;
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and Prakash,T.P.
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Kawasaki, A.M., Fraser, A.S., Manoharan, M.,
Prakash, T.P.
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llarity 84.2%; Pred. No. 7.3e+02;
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AR213502
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AR213497.1
                                Regioselective synthesis of 2'-O-modified nucleosides Patent: US 6403779-A 14 11-JUN-2002; Location/Qualifiers
                                                                                                                     Unknown
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Kawasaki, A.M., Fraser, A.S., Manoharan, M.,
Prakash, T.P.
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Kawasaki,A.M., Fraser,A.S.,
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/mol_type="genomic
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            organism="unknown"
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_type="genomic
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Kawasaki,A.M., Fraser,A.S., Manoharan,M.,
Prakash,T.P.
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Kawasaki, A.M., Fraser, A.S., Manoharan, M.,
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                                                                       1 (bases 1 to 19)
Garner, H.R., Wren, J.D., Minna, J.D. and Fondon, J.W. III.
Garner, H.R., Wren, J.D., Minna, J.D. and Fondon, J.W. III.
Polymorphic repeats in human genes
Patent: US 6472154-A 12 29-OCT-2002;
Location/Qualifiers
                                                                                                                                                                                     AR241724 1
Sequence 12 from patent US
AR241724
AR241724.1 GI:27287536
                                                                                                                                                                                                                                                                                                                                                                                                                               Process for the synthesis of oligomeric compounds Patent: US 6465628-A 1 15-OCT-2002; Location/Qualifiers
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AR237463
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Peptide acceptor ligation methods
Patent: US 642930-A 25 06-AUG-2002;
Location/Qualifiers
                                                                                                                                                    Unknown.
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Ravikumar, V.T., Manoharan, M., Capaldi, D.C., Krotz, A.,
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                                    /organism="unknown"
/mol_type="genomic
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 4635 25-MAR-2003;
Location/Qualifiers
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/mol_type="genomic"
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/mol_type="genomic DNA"
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Cohen, D., Chumakov, I. and Blumenfeld, M.

Biallelic markers for use in constructing disequilibrium map of the human genome Patent: US 6537751-A 11676 25-MAR-2003; Location/Qualifiers
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 10242 25-MAR-2003;
                                                                                            1 (bases 1 to 19)
Baxter,A.D., Collingwood,S.P., Douglas,M.E.
Oligonucleotide analogues
Patent: US 6562960-A 10 13-MAY-2003;
                                                                                                                                                        Unknown
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AR359805
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 19)
Manoharan, M. Cook, P.D., Prakash, T.P. and Mohan, V.
Guanidinium functionalized nucleotides and precursors thereof
Patent: US 6593466-A 3 15-UUL-2003;
Location/Qualifiers
1 (bases 1 to Manoharan, M., C
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/mol_type="genomic
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  Cook, P.D.,
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Pred. No. 7.3e+02;
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  Prakash, T.P.
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Collingwood,S.P., Moser,H.E., Altmann,K.-H.
Intermediates for oligonucleotide synthesis
Patent: US 6329519-A 4 11-DEC-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Guanidinium functionalized nucleotides and precursors thereof Patent: US 6593466-A 5 15-JUL-2003;
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                                                                                                                                   1 (bases 1 to 19)
Levitt, R.C., Grasso, L., Nicolaides, N.C.
Method of treating asthma using soluble
Patent: US 6602850-A 12 05-AUG-2003;
                                                                                                                                                                                             Unknown.
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/mol_type="genomic DNA"
                                                                                                organism="unknown"
                                                                                                                       Location/Qualifiers
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/mol_type="genomic DNA"
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Pred. No. 7.3e+02;
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RESULT 1114
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AR399177/c
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AR399177
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Dean, F.B. and Lasken, R.S.
Method of amplifying whole genomes without
denaturing conditions
Patent: US 6617137-A 39 09-SEP-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AR393850
Sequence
AR393850
                                  1 (bases 1 to 19)
Crooke,S.T., Lima,W.F., Wu,H. and Monoharan,
Human Rnase H1 and oligonucleotide compositi
Patent: US 6617442-A 18 09-SEP-2003;
                                                                                                                                                                                                                                                                                                                                                              1 (bases 1 to 19)
Crooke, S.T., Lima, W.F., Wu, H. and Monoharan, M.
Human Rnase H1 and oligonucleotide compositions thereof
Patent: US 6617442-A 17 09-SEP-2003;
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/organism="unknown"
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/mol_type="genomic DNA"
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/mol_type="genomic
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from patent US 6617442.
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AR403601/c
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Best Local Similarity 84.2%;
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Sequence 3 from patent US 6624294.
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                                                                                                                                                                                                                                                                                                                                                                                                    AR403602
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Kawasaki A.M., Fraser, A.S., Manoharan, M.,
                                                                                                                                                                                                                                                                                                                    Unknown
                                                                                                                                                                                                                                                                                                                                                            AR403602.1 GI:40151188
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Kawasaki,A.M., Fraser,A.S., Manoharan,M.,
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                                   Regioselective synthesis of 2'-O-modified Patent: US 6624294-A 5 23-SEP-2003; Location/Qualifiers
                                                                              1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D.
Prakash,T.P.
                                                                                                                                  Unknown
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Kawasaki,A.M., Fraser,A.S., Manoharan,M.,
Prakash,T.P.
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
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AR403603.1 GI:40151189
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'mol_type="genomic DNA"
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AR403607
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1 (bases 1 to 19)

Kawasaki,A.M., Fraser,A.S., Manoharan,M.,
Prakash,T.P.
                                                                                                                                                                                                                                               Unclassified.
1 (bases 1 to 19)
Kawasaki,AM., Fraser,A.S., Manoharan,M.,
Prakash,T.P.
                                                                                                                                                                                                                                                                                            Unknown.
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Location/Qualifiers
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/mol_type="genomic |
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1 (bases 1 to 19)
Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and Prakash, T.P.
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and Prakash,T.P.
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Kawasaki,A.M., Fraser,A.S., Manoharan,M.,
Prakash,T.P.
                                 Regioselective synthesis of 2'-O-modified Patent: US 6624294-A 14 23-SEP-2003; Location/Qualifiers
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AR412338.1 GI:40167448
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and Prakash,T.P.
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AR403614
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Kawasaki A.M., Fraser, A.S., Manoharan, M.,
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/mol_type="genomic DNA"
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/mol_type="genomic |
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Best Local Similarity 84.2%;
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Best Local Similarity 84.2%;
Matches 16; Conservative
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Sequence 6:
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1 (bases 1 to 19)
1 (bases 1 to 19)
1 (cook, P.D., Mancharan, M., Maier, M. and An, H. Co'k, P.D., Mancharan phosphonate oligomers and C3'-methylene hydrogen phosphonate oligomers and Patent: US 6639061-A 1 28-OCT-2003;
Location/Qualifiers
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Manoharan,M. and Cook,P.D.

2'-O-aminoethyloxyethyl-modified ol
Patent: US 6673912-A 5 06-JAN-2004;

Location/Qualifiers
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Mancharan,M., Cook,P.D. and Guinosso,
Modified oligonucleotides
Patent: US 6653458-A 6 25-NOV-2003;
Location/Qualifiers
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Score 14.2; DB 1; Pred. No. 7.3e+02; 0; Mismatches 3
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Unclassified.
1 (bases 1 to 19)
1 (bases 1 to 19)
Korneluk,R.G., LaCasse,E., Baird,S., Holcik,M. and Antisense IAP nucleic acids and uses thereof Patent: US 6673917-A 128 06-JAN-2004;
Location/Qualifiers
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AR451282
AR451282.1
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Manoharan,M. and Cook,P.D.
2'-O-aminoethyloxyethyl-modified oligonucleotides
Patent: US 6673912-A 26 06-JAN-2004;
Location/Qualifiers
                                      synthetic construct synthetic construct
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                                                                                      Sequence 21 from Patent
AX035960
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Marquardt, A. and Weber, B.H.
                         artificial sequences.
                                                                           AX035960.1 GI:11191499
                                                                                                                AX035960
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84.2%; Pred. No. 7.3e+02;
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Sequence 2 from Patent WO0056922.
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                                                                                                                                          Homo sapiens (human)
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          Patent: WO 0130362-A 796 03-MAY-2001; IMMUSOL, INC. (US)
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                                                          Robbins, J.M. and Tritz, R. Ribozyme therapy for the
                                                                                                           Bukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 artificial sequences.
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Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon;32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="Oligonucleotide primer"
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Sequence 12 from Patent WO0162964.
AX229742
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                                                                                                                                               Winsey, S.U., Haldar, N., Wojnarowska, F.U. and Welsh, K.N. A genetic determinant for malignant melanoma Patent: WO 0162964-A 12 30-AUG-2001; Isis Innovation Limited (GB)
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/db_xref="taxon:9606"
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/mol type="taxon:32630"
/mole="synthetic oligonucleotide"
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                                                           /note="Primer XPD exon 6 consensus"
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                                                                                                                                                                                        Bickel, R., Bhricht, R., Ellinger, T., Ermantz
Schulz, T. and Wagner, G.
Method for qualitative and/or quantitative
interactions on probe arrays
patent: WO 0202810-A 33 10-JAN-2002;
Clondiag Chip Technologies GmbH (DE)
Location/Qualifiers
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Sequence 33 from Patent WO0202810.
AX349249
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Sequence 8 from Patent WO0164736.
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                                                                                                                               /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                  /note="Oligonukleotidsonde"
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Pred. No. 7.3e+02;
0; Mismatches 3;
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synthetic construct
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artificial sequences.
                                                        Sequence 96 from Patent
AX544272
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                                                                                                                                                                                                                                                                                                                                                           synthetic construct
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Sequence 128 from Patent
AX412028
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AX378428
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Sequence 12 from Patent EP1359158.
AX938382
AX938382.1 GI:40713971
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                                                                                                                                 Homo sapiens (human)
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synthetic construct
artificial sequences.
Kaiser,S., Plath,T., Hinzmann,B. and Rosenthal,A. Trp-p8 splice variants and regulatory RNA Patent: Ep 1359158-A 12 05-NOV-2003; metaGen Pharmaceuticals GmbH (DE)
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Nogo receptor homologues and their use
Patent: WO 03018631-A 4 06-MAR-2003;
Novartis AG (CH) ; Novartis-Erfindungen
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Sequence 4 from Patent WO03018631.
AX713059 GI:29823661
                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Similarity 84.2%;
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/mol_type="unassigned DNA"
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|mol_type="unassigned DNA"
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84.2%; Pred. No. 7.3e+02;
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OS Artificial Sequence
PN JP 2001519660-A/2
PD 23-OCT-2001 JP 199854
PF 01-APR-1997 US 60/
PI LEIF TORBJORN NORBERG
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Norberg, L.T., Andersson, M.K. and Lindstrom, P.H.R.
Methods for assessing cardiovascular status and couse thereof
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Self-assembling microelectronic integration system capable
designating self address, compartment device, mechanism, me
operation for molecular biological analysis and diagnosis.
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synthetic construct
Edman, C.F.
Self-assembling
                       artificial sequences.

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Sosnowski, R.G., Butler, W.F.,
                                                                      synthetic construct synthetic construct
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JP 2001525193-A/16.
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04-APR-1997 US 60/042930
LEIF TORBJORN NORBERG,MARIA KRISTINA ANDERSSON,PER
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Description of Artificial Sequence: PCR
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/db_xref="taxon:32630"
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                            Tu, E., Nerenberg, M.I., Heller, M.J.
integration system capable
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Patent: JP 2001321190-A 2045 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RE
                                                                                                                                                                                                                                                                                                                                                                                                        synthetic construct
synthetic construct
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C12Q1/68, C12N15/09, C12N15/00
Description of Artificial Sequence:
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RONALD G SOSNOWSKI,WILLIAM F BUTLER, EUGENE
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JP 2001525193-A/16
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                                                       /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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 Score 14.2; DB 1
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Gaston Cremieux, 91057 Evry cedex, FRANCE
PCR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.ff).
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AJ527027.1 GI:26795287
left border, T-DNA flanking sequence.
Arabidopsis thaliana (thale cress)
                                                                                      ATH527027 19 bp | I
Arabidopsis thaliana T-DNA flanking
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T-DNA integration into the Arabidopsis genome depends on sequences.
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left border"
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/cultivar="Wassillewskija"
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Pred. No. 7.3e+02;
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Gaston Cremieux, 91057 Evry cedex, FRANCE
CR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).
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Synthetic
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Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
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EMBO Rep. 3 (12), 1152-1157 (2002)
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Genomics 74 (1), 55
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AB068728.1
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Direct Submission
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left border"
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/mol_type="genomic DNA"
/cultivar="Wassillewskija"
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OS Artificial Sequence
PN JP 2002360271-A/593
PD 17-DEC-2002
PF 28-NOV-2001 JP 2001362595
PF 04-MAY-2001 TW 90110785
PI CHING-YEB LING, RUEY-WEN LIN, ZHOU-MENG YOO, XIN-HSUAN HUANG, BOW-PI HAENG LEB, YI-JU LIN, CI-CHUNG HUANG, HAN-CHANG HSU, CHA-PI WEN SHI,
PI CHIH-XIN YEH, YI-FENG CAO, CHIH-LONG PAN
PC C12N15/09, C12N15/09, C12M1/34, C12Q1/04, C12Q1/42, C12Q1/68 PC
C12Q1/70, G01N21/64,
PC G01N31/53, G01N33/574, G01N33/58, G01N37/00// (C12M1/34, C12R1:93),
PC (C12Q1/70, C12R1:93), C12N15/00, C12N15/00
CC Oligonuclectide M830402 for identifying HPV CP8034. FH Key

Location/Qualifiers
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                    2110 CTGATGCAGCAGATGAAGC 2128
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Submitted (04-AUG-2001) Akira Horii, Tohoku University School
Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Send
Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp,
Tel:81-22-717-8042, Pax:81-22-717-8047)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ling,C., Lin,R., Yoo,Z., Huang,X., Lee,B., Lee,S., Lin,Y., Huang,C., Hsu,H., Shi,C., Yeh,C., Cao,Y. and Pan,C. Method and detector for identifying subtypes of human papiloma Patent: JP 2002360271-A 593 17-DEC-2002; KING CAR PROD INDUSTRIAL CO LTD OS Artificial Sequence PN JP 2002360271-A/593
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Location/Qualifiers
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sts-D1S507 obtained from clones B351N1, B186G8, B186H7
B39F12, Human BAC library RPCI-11"
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                                     Sequence
A62106
                                                                                                                                                                                                                                                                   Method of characterising genomic DNA
Method of characterising genomic DNA
Patent: EP 0530009-A 18 03-MAR-1993;
IMPERIAL CHEMICAL INDUSTRIES PLC; ZENECA
Location/Qualifiers
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A23230
A23230.1 GI:641670
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Lin,Y.J., Fan,C.C., Hsu,H.C.,
Pan,C.L. and Chan,P.
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Sequence 564 from Patent
AX742761
AX742761.1 GI:30576750
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1 (bases 1 to 20)
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                                                 6 from Patent
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                         GI:3716151
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M unclassified.

3 1 (bases 1 to 20)
3 1 (bases 1 to 20)
5 Serio,M., Orlando,C., Pazzagli,M. and Sestini,R.
PLASMIDS CONTAINING TWO OR MORE COMPETITORS IN SEQUAPPLICATION IN COMPETITIVE-PCR TECHNIQUES
AL Patent: WO 9810094-A 7 12-MAR-1999;
SERIO MARIO (IT)
Other publication IT F1960208 19980305.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2093 GGCTGGCCTGCACTTGCCT 2111
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Sequence 14 from Patent WO9738114.
A65901
A65901.1 GI:4537902
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FORTAIN, A.R., CONSTAN, D.B., Tobler, A.R.,
PUROMYCIN-SENSITIVE AMINOPEPTIDASES
PALENT: WO 9738114-A 14 16-OCT-1997;
CIBA GEIGY AG (CH)
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Other publication GB 2305920 970423.
Location/Qualifiers
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ANTITUMOUR VECTOR CONSTRUCTS AND METHODS
PALENT: WO 9712970-A 6 10-APR-1997;
CANCER RES CAMPAIGN TECH (GB)
                                                                                                                                                   unidentified
unidentified
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A71396
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Pred. No. 7.5e
0; Mismatches
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Pred. No. 7.5e+02;
0; Mismatches 3;
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AR005021
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          RESULT 1158
AR029547
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Best Local S
Matches 16
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Best Local Similarity 84.2%;
Matches 16; Conservative
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Sequence 8 1
AR021357
AR021357.1
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Sequence 8 :
AR005021
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Baker, B., Bennett, C. Frank. and Anderson, K.P.
Antisense inhibition of ICAM-1, E-selectin, and
Patent: US 5789573-A 8 04-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                  N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 20)
Meister, A., Huang, C.-S. and Anderson, M.E.
Glutamylcysteine synthetase light subunit
Patent: US 5747329-A 8 05-MAY-1998;
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/mol_type="unassigned DN
/db_xref="taxon:32644"
                                                                                                                                        /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                         Location/Qualifiers
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Pred. No. 7.5e+02;
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AR040862/c
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AUTHORS
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AR036870
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AR029547
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Raynolds, M. V. and Perryman, M. Benjamin.

Raynolds, M. V. and Perryman, M. Benjamin.

Angiotensin-converting enzyme genetic variant screens

Patent: US 5800990-A 1 01-SEP-1998;

Location/Qualifiers
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Sequence 1 from patent
AR036870
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Koziel, M.G., Desai, N.M., Lewis, K.S., Warren, G.W., Evola, S.V.,

Crossland, L.D., Wright, M.S., Merlin, E.J., Launis, K.L., Bowman, C.G.,

Dawson, J.L., Dunder, E.M., Pace, G.M. and Suttie, J.L.

Synthetic DNA sequence having enhanced activity in maize

Synthetic DNA sequence having enhanced activity in maize

patent: US 858336-A $7 12-JAN-1999;

Location/Qualifiers
                                                  1 (bases 1 to 20)
Jeffreys,A.John.
Method of characterisation
Patent: US 5811235-A 18 22-SEP-1998;
                                                                                                                                                                        Sequence 18 from patent AR040862
                                                                                                                  Unknown
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AR067017
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AR043108/c
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Best Local Similarity
Matches 16; Conserv
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AR054113
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Sequence 11
AR043108
AR043108.1
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Sequence 365 from patent US
AR067017
AR067017.1 GI:5998239
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il (bases 1 to 20)

color of the chain reaction/restriction fragment polymorphism method for the detection and typing of human papillomaviruses

Patent: US 5814448-A 11 29-SEP-1998;
                                                                                                                                                                                                                          1 (bases 1 to 20)
Chan, W., Bergsma, D.J. and Bllis, C.E.
G-protein coupled receptor, HLTEX 11
Patent: US 5834587-A 5 10-NOV-1998;
Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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AR068394/c
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AR086257
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Unknown.
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Dean,N.M., McKay,R., Miraglia,L. and Ba
Antisense oligonucleotide compositions
inibition of c-Jun and c-Fos
Patent: US 598558-A 78 16-NOV-1999;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 20)
EVans, G.A. and Smith, M.W.
Method for generation of sequence sampled maps of complex genomes
Patent: US 5851760-A 365 22-DEC-1998;
Location/Qualifiers
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Sequence 18 from patent
AR068394
 . Similarity
16; Conserv
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Similarity 84.2%;
16; Conservative
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llarity 84.2%;
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/mol_type="unassigned DNA"
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                                               /organism="unknown"
/mol_type="unassigned DNA"
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Score 14.2; DB 1;
Pred. No. 7.5e+02;
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AR092032/c
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Sequence 11:
AR093018
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Sequence 95
AR086274
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Sequence
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Unknown.
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Dean, N. M., McKay, R., Miraglia, L. and Baker,
Antisense oligonucleotide compositions and
inibition of c-Jun and c-Fos
Patent: US 598558-A 95 16-NOV-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                     1 (bases 1 to 20)
Acton, S.Laurene.
Intronic and polymorphic SR-BI nucleic acids and uses therefor Patent: US 5998141-A 56 07-DEC-1999;
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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84.2%;
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Pred. No. 7.5e+02;
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AR098500
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Gimeno, C.J. and Acton, S.
Method of making lipid metabolic pathway compositions
Patent: US 6008014-A 6 28-DEC-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N
                                                                                                                                    1 (bases 1 to 20)

Koziel, M.G., Desai, N.M., Lewis, K.S., Warren, G.W., Evola, S.V., Wright, M.S., Launis, K.L., Rothstein, S.J., Bowman, C.G., Dawson Dunder, E.M., Pace, G.M. and Suttie, J.L.
                                                                                                                                                                                                                                                                                                                                      N
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                                                                                                                Synthetic DNA sequence having maize
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AR098500
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Location/Qualifiers
                                                                                    Patent: US 6075185-A 57 13-JUN-2000;
Location/Qualifiers
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84.2%; Pred. No. 7.5e+02;
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               84.2%;
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AR112167/c
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Best Local S
Matches 16
                       ORGANISM
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Best Local Similarity 84.2%;
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                                                        AR112167
Sequence 56
AR112167
AR112167.1
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Sequence
AR100408
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Baker, B.F., Bennett, C.Frank., Butler, M.M. and Shanahan, W.R.
Antisense oligonucleotide modulation of tumor necrosis
factor..alpha. (TWF..alpha.) expression
Patent: US 6080580-A 139 27-JUN-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 20)
Trofatter, J.A., MacCollin, M.M. and Gusella, J.F.
Tumor suppressor merlin and antibodies thereof
Patent: US 6077685-A 13 20-JUN-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
Unclassified.
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AR098878
Unclassified.
1 (bases 1 to
                        Unknown
                                   Unknown.
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                                                                                56
                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol_type="unassigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                       GI:12810856
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                                                          GI:14092067
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Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7.5e+02;
0; Mismatches 3
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S 6130041.
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AR122218
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AR116451
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Best Local Similarity
Matches 16; Conserv
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AR122218
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MCKAY,R., Dean,N., Monia,B.P., Nero,P.S. and Gaarde,
Antisense oligonucleotide compositions and methods f

modulation of JNK proteins

Patent: US 6133246-A 32 17-OCT-2000;

Location/Qualifiers
                                                                                                                                                                                   Unclassified.

1 (bases 1 to 20)
Liskay,R.M., Bronner,C.Bric., Baker,S.M.,
Kolodher,R.D.
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Unclassified.
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Sequence 32 from patent US 6133246.
AR116451 GI:14096773
                                                                                                                                                                                                                                         Unknown.
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Location/Qualifiers
                                                                                                                                                       Composition and methods relating to DNA mismatch repair genes Patent: US 6165713-A 64 26-DEC-2000;
                                                                                                                                                                                                                                                         Unknown.
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Human intronic and polymorphic SR-BI nucleic acids and
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GGCTTTTCCTACCACTCCC 353
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                                          0.3%;
larity 84.2%;
Conservative
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                                                                                                                                                                                                                                                                                                              64 from patent US
                                                                                              /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mol_type="unassigned DNA"
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84.2%; Pred. No. 7.5e+02
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84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3;
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                                          Score 14.2; DB 1; Length 20; Pred. No. 7.5e+02; O; Mismatches 3; Indels
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S 6165713.
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AR126622/c
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AR125307/c
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Best Local Similarity 84.2%;
Marches 16; Conservative
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                                                                                                                                                                                                                                                                                                      JOURNAL
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                                                                           AR126622
Sequence 51
AR126622
AR126622.1
                                Unknown.
Unknown.
Unclassified.
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Sequence 7 1
AR125307
AR125307.1
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Sequence
AR124510
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Baker, B.F. and Cowsert, L.M.
Antisense inhibition of rank expression
Patent: US 6171860-A 79 09-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unknown
1 (bases 1 to 20)
Dean, N.M. and Cowsert, L.M.
Antisense modulation of daxx expression
                                                                                                                                                                                                                                                                                                    energy transfer Patent: US 6177249-A 7 23-JAN-2001;
                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 20)
Kwok,P.-Y. and Chen,X.
Method for nucleic acid analysis using
                                                                                                                                                                                                                                                                                                                                                                                  Unknown.
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from patent US 6180353.
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Pred. No. 7.
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Pred. No. 7.5e+02;
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6177249.
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                                                                                                                                                                                                                                                                                                                             fluorescence resonance
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AR131192
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AR130543
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Best Local Similarity
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Sequence 64
AR131192
AR131192.1
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Molecular sequences of swine retroviruses
Patent: US 6190861-A 71 20-FEB-2001;
Location/Qualifiers
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Sequence 71 from patent US
AR130543
AR130543.1 GI:14118868
N
                                                                                                                        Compositions and methods relating to DNA mismatch repair genes Patent: US 6191268-A 64 20-FEB-2001; Location/Qualifiers
                                                                                                                                                           1 (bases 1 to 20)
Liskay,R.M., Bronner,C.Eric., Baker,S.M.,
Kolodner,R.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent: US 6180353-A 51 30-JAN-2001;
Location/Qualifiers
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                                                       Similarity
                     GGCTTTTCCTACCACTCCC 353
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ilarity 84.2%;
Conservative
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ilarity 84.2%;
Conservative
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/mol_type="unassigned DNA"
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Pred. No. 7.5e+02:
0; Mismatches :
                                           Score 14.2; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7.5e+02
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1 6191268.
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Sequence 32
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                                1 (bases 1 to 20)
Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
DNA encoding stem cell factor
Patent: US 6207417-A 33 27-MAR-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                1 (bases 1 to 20)
Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, P.H.
DNA encoding stem cell factor
Patent: US 6207417-A 32 27-MAR-2001;
Location/Qualifiers
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Keating,M.T. and Splawski,I.

Mutations in and genomic structure of
Patent: US 6207383-A 30 27-MAR-2001;

Location/Qualifiers
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AR139513
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Similarity 84.2%;
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/mol_type="unassigned DNA"
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/mol_type="unassigned
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'mol_type="unassigned
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Pred. No. 7.5e+02;
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Unclassified.
1 (bases 1 to 20)
1 (bases for 20)
2 sebo, K.M., Bosselman, R.A., Suggs, S.V. ar Method for enhancing the effciency of ger factor (SCF) polypeptide
L Patent: US 6207454-A 33 27-MAR-2001;
Location/Qualifiers
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Sequence
AR140279
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1 (bases 1 to 20)

2 sebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.

2 sebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.

Method for enhancing the effciency of gene transfer with

factor (SCF) polypeptide

Patent: US 6207454-A 32 27-MAR-2001;

Location/Qualifiers
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Sequence 33 from patent US 6207454.
AR140280
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ilarity 84.2%;
Conservative
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32 from patent US 6207454.
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                                                                                                                                                                                         /mol_type="unassigned DNA"
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              from
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84.2%; Pred. No. 7.
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Sequence 56
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Sequence
AR140558
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Zsebo, K.M., Bosselman, R.A., Suggs, S.V.
Stem cell factor and compositions
Patent: US 6207802-A 33 27-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 20)
Zsebo, K.M., Bosselman,R.A., Suggs,S.V.
Stem cell factor and compositions
Patent: US 6207802-A 32 27-MAR-2001;
Location/Qualifiers
                                                                                                1 (bases 1 to 20)
Acton, S. L. and Ordovas, J.M.
Human intronic and polymorphic SR-BI nucleic acids and uses
                                                                                                                                                  Unknown
                                                                               Patent:
                                                                                                                                       Unclassified.
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                                                                  US 6228581-A 56 08-MAY-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/mol_type="unassigned
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Pred. No. 7.5e+02
Score 14.2; DB 1;
Pred. No. 7.5e+02;
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Pred. No. 7.5e+
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AR162101/c
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AR150063
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AR157125
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Best Local Similarity 84.2%;
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AR157125
AR157125.1
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Unknown.
Unknown.
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Baker, B.F., Bennett, C.Frank., Butler, M.M. and Antisense oligonucleotide modulation of tumor factor (.alpha.) (TNF-.alpha.) expression patent: US 6228642-A 139 08-MAY-2001;
Location/Qualifiers
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Sequence 139 from patent US 6228642.
AR150063
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                              AR162101
Sequence 31 from patent US
AR162101
AR162101.1 GI:16229171
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Cowsert, L.M.
                                                                                                                                                                                                                                                                                      Unknown.
Unclassified.
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ilarity 84.2%;
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/mol_type="unassigned DNA"
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Query Match 0.3%;
Best Local Similarity 84.2%;
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AR162761
AR162761.1
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                                                                                                   Specific, highly sensitive, nested PCR detection scheme for the pseudorabies virus Patent: US 6270977-A 8 07-AUG-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 20)
Bennett, C. Frank., Condon, T.P. and Cowsert, L.M.
Antisense modulation of integrin .alpha.4 expression
Patent: US 6258790-A 84 10-UUL-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 20)
Szostak,J.W., Roberts,R.W. and Liu,R.
Szostak,J.W., Roberts,R.W. and Liu,R.
Method for selection of proteins using RNA-protein fusions
Patent: US 625858-A 31 10-UUL-2001;
Location/Qualifiers
                                                                                                                                        1 (bases 1 to 20)
Klann, R.Chris.
                                                                                                                                                                             Unknown.
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                                               /organism="unknown"
/mol_type="unassigned
                                                                                   s 6270977-A 8 07-AUG-2001;
Location/Qualifiers
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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AR166626/c
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AR173034
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Szostak,J.W., Roberts,R.W. and Liu,R.
Nucleic acid-protein fusion molecules
Patent: US 6281344-A 31 28-AUG-2001;
Location/Qualifiers
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Sequence 47 from patent US 6281346.
ARI66697
Unknown.
Unclassified.
1 (bases 1 to 20)
2 hang, H. and Cowsert, L.M.
Antisense modulation of caspase 3 expression
Patent: US 6303374-A 159 16-OCT-2001;
                                                                                                 Sequence 159 from patent
AR173034
AR173034.1 GI:17912525
                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 20)
Hess,J.W., Caskey,C.Thomas., Liu,Q. and Phillips,M.Sean.
Rat ob-receptors and nucleotides encoding them
Patent: US 6281346-A 47 28-AUG-2001;
Location/Qualifiers
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AR166626
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Best Local Similarity
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                    339
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Sequence 5 :
AR174516
                                                                                                                                                                                                                               AR176823
Sequence 78
AR176823
AR176823.1
                                                                                                                   1 (bases 1 to 20)
Dean,N.M., McKay,R., Miraglia,L. and Baker,B.
Antisense oligonucleotide compositions and me
modulation of activating protein 1
Patent: US 6312900-A 78 06-NOV-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 20)
Constantini,F. and Zeng,L.
Axin gene and uses thereof
Patent: US 6307019-A 5 23-OCT-2001;
Location/Qualifiers
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                                                   Similarity 84.2%;
                                                                                                                                                                                      Inclassified.
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                    TTTCCTACCACTCCCCCTC 357
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TTTTCTTCCACTGCCCCTC 19
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ilarity 84.2%;
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                                                                                    /organism="unknown"
/mol_type="unassigned
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                                                                                                                                                                                                                                                                                                                                                                                                                         organism="unknown"
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/mol_type="unassigned
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Pred. No. 7.5e
0; Mismatches
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Pred. No. 7.5e+02;
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RESULT 1199 AR176840/c

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BD174960/c
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artificial sequences.
1 (bases 1 to 20)
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Sequence
AR176840
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JOJI
SO
ILOG
                                                                                                                                     20 bp Simple nucleic acid amplification BD174960
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Bennett, C.Frank. and Vickers, T.A.
Oligonucleotide compositions and methods
expression of B7 protein
Patent: US 6319906-A 216 20-NOV-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 20)
Dean,N.M., McRay,R., Miraglia,L. and Baker,B.
Antisense oligonucleotide compositions and methods for the modulation of activating protein 1
Patent: US 6312900-A 95 06-NOV-2001;
Location/Qualifiers
                                Simple nucleic acid amplification method Patent: JP 2002253264-A 8 10-SEP-2002;
                                                                                                                BD174960.1 GI:29120654
JP 2002253264-A/8.
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llarity 84.2%;
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          Artificial Sequence
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7
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BD175100
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Best Local S
Matches 16
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                                                                             Local Similarity
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A61K47/42,A61K48/00,A61P3/00,A61P9/10,A61P9/12,A61P19/0
A61P35/00,
PC A61P43/00,C07K16/40,C12N1/15,C12N1/19,C12N1/21,C12N5/10
PC (6,C12Q1/68,
PC G01N33/15,G01N33/50,G01N33/50,G01N33/53,G01N3
PC C12P21/08,
PC (12N9/06,C12R1:91),C12N15/00,A61K37/02,C12N5/00 CC
Description of Artificial Sequence: Synthesized CC
Oligonuclectide having a
CC specific sequence to LOXC.
FM Key
FT Source 1..20
PT Source 1..20
Organism='Artificial Sequence'.
                              4650 CACGAGGCCCAGCCAGATG 4668
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 20)
Nakamura,T., Akiyama,H. and Ito,A.
Nucleic acid encoding lysyl oxidase related protein
Patent: JP 2002272470-A 6 24-SEP-2002;
TAKASHI NAKAMURA
                                                                                                                                                                                                                                                                                                                                                                                                                                PC
C12N15/09,A61K31/711,A61K38/00,A61K39/395,A61K39/395,A61K47/02, PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PR OS
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JP 2002272470-A/6.
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CACGTTGTCCAGCCAGATG 19
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28-FEB-2001 JP 2001105220
JOJI OSHIMA
C12N15/09,C12Q1/68,C12N15/00
Simple nucleic acid amplification method
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                     A61P43/00,C07K16/40,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N9/
06,C12Q1/68,
G01N33/15,G01N33/50,G01N33/50,G01N33/53,G01N33/53,G01N33/566//
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21-MAR-2001 JP 2001081755
TAKASHI NAKAMURA, HARUHIKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Artificial Sequence JP 2002272470-A/6
                                                              Conservative
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Location/Qualifiers
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                          /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7.5e+02
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                                                                             7.5e+02;
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BD177732
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BD176448/c
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Matches 16
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                                              source
                                                                        Nakamura, Y., Tanaka, T., Onishi, Y., Ozaki, K. and Yamada, A.

A method for snp typing
AL parent: JP 2002300894-A 22 15-OCT-2002;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH
OS Artificial Sequence
PN JP 2002300894-A/22
PD 15-OCT-2002
PF 2002300894-A/22
PF 25-JAN-2002 JP 2002019752
PF YUSUKE NAKAMURA, TOSHIHIRO TANAKA, YOZO ONISHI, KOICHI OZAKI, PI AKIRA YAMADA
PC CI2N15/09, C1201/68, C12N15/00
CC Description of Artificial Sequence: Primer FH Key Location/Qualifiers
FT source /organism='Artificial Sequence'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5320 TGTCTAGCAGGCTTTCCAG 5338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A method of arraying genome clone Patent: w0 02072815-A 248 19-SEP-2002; EIICHI SOEDA, TAKESHI KUKITA OS ARTIFICIAI Sequence PN W0 02072815-A/248 PD 19-SEP-2001 W0 2001JP004139 PF 17-MAY-2001 JP 01P 68285 PI EIICHI SOEDA C12N15/99,C12Q1/68 CC Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                       synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
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                                                                                                                                                                                                                                                                                                                                                                                                                    A method for snp typing
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1 (bases 1 to 20)
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synthetic construct
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WO 02072815-A/248.
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Description of Artificial Sequence: Synthetic DNA Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                        /organism='Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism='Artificial Sequence'
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/mol_type="genomic DNA"
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7.5e+02;
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BD223602
LOCUS
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AUTHORS
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BD177738/c
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VERSION
KEYWORDS
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
Matches 16; Conser
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M synthetic construct
artificial sequences.

1 (bases 1 to 20)

Nakamura,Y., Tanaka,T., Onishi,Y., Ozaki,K. and Ya A method for snp typing
Patent: JP 2002300894-A 28 15-OCT-2002;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH OS Artificial Sequence
PN JP 2002300894-A/28
PD 15-OCT-2002
PF 29-JAN-2002 JP 2002019752
PF 29-JAN-2002 JP 2002019752
PF YUSUKE NAKAMURA,TOSHIHIRO TANAKA,YOZO ONISHI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3994 CCTGGAGCTGTGGAAGCTG 4012
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PC C12N15/09
CC Descripti
FH Key
PT source
FT
Eatent: JP 2002521065-A 28 16-JUL-2002;
UNIVERSITY OF UTAH RESEARCH FOUNDATION
OS Homo sapiens (human)
PN JP 2002521065-A/28
PD 16-JUL-2002
PF 20-JUL-1999 JP 2000562554
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A method
BD177738
                                                                                                                                                                                                                                                                      BD223602 20 bp
Mutations in and genomic structure
                                                                                                   Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 20)

Keating, M.T. and Splawski, I.

Mutations in and genomic structure of HERG - a long QT syndrome
                                                                                                                                                                                JP 2002521065-A/28.
Homo sapiens (human)
Homo sapiens
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JP 2002300894-A/28
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BD223602.1
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Description of Artificial Sequence:Primer
Location/Qualifiers
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VUSUKE NAKAMURA, TOSHIHIRO TANAKA, YOZO ONISHI, KOICHI OZAKI, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism='Artificial Sequence'.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                              GI:33033372
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Pred. No. 7.5e
0; Mismatches
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7.5e+02;
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QT syndrome
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SOURCE
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RESULT 1208
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BD225096/c
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FH Key
FT source
FT
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                                                                                                                                                                                                                                                                                                                                                                                                                      artificial sequences.

1 (bases 1 to 20)

Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.

Baker, B.F., Cowsert, of expression of tumor necrosis factor receptor-associated factor (TRAF)

Patent: JP 2002526095-A 231 20-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BD225096 20 bp Antisense modulation of expression receptor-associated factor (TRAF).
                                                                                                                                                                                                                                                                                        PD 20-AUG-2002

PP 05-OCT-1999 JP 2000574546

PR 06-OCT-1998 US 09/167109

PR 06-OCT-1998 US 09/167109

PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PR 27-JUL-1998 US 09/122847,06-JAN-1999 US 09/226012 PI MARK T KEATING,IGOR SPLAWSKI PC C12N15/09,A01K67/027,C07K14/47,C07K16/18,C12N1/15,C12N1/19,
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C12N5/10, C12N5/10, C12Q1/02, C12Q1/68, G01N33/15, G01N33/50, G01N33/ PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  synthetic construct
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                                                                                                                   Similarity
                                                                      CCAGCCTAGCACCCAGAGA 1115
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Artificial Sequence
JP 2002526095-A/231
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                                                                                                                                                            /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                       Location/Qualifiers
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/mol_type="genomic DNA"
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                                                                                                                 0.3%;
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                                                                                                   Score 14.2; D
Pred. No. 7.5e
0; Mismatches
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Pred. No. 7.5e+02
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                                                                                                                                 DB 1;
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ORGANISM
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DEFINITION
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ORGANISM
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Best Local S
Matches 16
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PC C12N15/
PC 00,A61P
PC A61P1/1:
PC A61P1/1:
THE GEOS A
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1 (bases 1 to 20)

Baker, B.F., Bennett, F.C., Butler, M.M. and Jr, W.J.
Antisense oligonucleotide regulation of expression necrosis factor-alpha (TNF-alpha)
Patent: JP 2005526125-A 139 20-AUG-2002;
                                                                                                                                                             Sorting of proteins using RNA-protein fused body Patent: JP 2002536025-A 26 29-OCT-2002; THE GENERAL HOSPITAL CORP
                                                                                                                                                                                                           artificial sequences.
1 (bases 1 to 20)
Szostak, J.W., Roberts, R.W. and Liu, R.
                                                                                                                                                                                                                                                          synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                      BD238408.1 GI:33048178 JP 2002536025-A/26.
                                                                                                                                                                                                                                                                                                                   Sorting of proteins using BD238408
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGGGTTCTGAAAGCCCATT 78
                                                       01-FEB-2000 JP 2000598669
09-FEB-1999 US 09/247190
JACK W SZOSTAK.RIHARD W ROBERTS,RIHE
C12N15/09,C07K7/00,C07K14/00,C12Q1/68
                                                                                                                   Artificial Sequence
JP 2002536025-A/26
29-OCT-2002
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Artificial Sequence
JP 2002526125-A/139
                             Key
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A61P1/18,A61P3/10,A61P17/00,A61P17/04,A61P29/00,A61P31/00, PC
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05-OCT-1998 US 09/166186,18-MAY-1999 US 09/313932
NA F BAKER, FRANK C BENNETT, MADELINE M BUTLER, WILLIAM J F
              source
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                          Location/Qualifiers
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Pred. No. 7.5e+02;
0; Mismatches 3
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organism='Artificial
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Sequence'
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BD251978/c
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Koeneman, K.S. and Chung, L.W.K.

Bone sialoprotein based toxic gene therapy for the treatment of calcified tumors and tissues
Patent: JP 200253253-A 2 02-OCT-2002;
UNIVERSITY OF VIRGINIA PATENT FOUNDATION

OS Homo sapiens (human)
PN JP 200253253-A/2
PD 02-OCT-2002
PP 02-OCT-2002
PP 22-DEC-1999 US 60/113200
PF 22-DEC-1999 US 60/113200
PI KENNETH S KOENEMAN, LELAND W K CHUNG
PC A61K48/00, A61K31/375, A61K31/522, A61K31/704, A61K31/7088 PC
A61K48/00, A61K38/43, A61P35/00, A61P43/00, C12Q1/02//A61K35/76,
PC C12N15/09,
PC A61K38/19, A61K37/02, A61K37/24 A61F47/66
                                                                                                                                                                                                                                                                                                                                                         1749 CGATGGTGTAGATGAGCCA 1767
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BD260089 20 by Novel granulocytic ehrlichia g
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16; Conserv
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Bone sialoprotein based toxic gene
calcified tumors and tissues.
BD251978
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo gapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism='Homo sapiens (human)'.
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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84.2%; Pred. No. 7.5e+02;
7ative 0; Mismatches 3
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Pred. No. 7.5e+02;
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                                                                                                                        DNA linear and uses thereof
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CQ759163
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Best Local S
Matches 16
                                                        Query Match
Best Local Similarity
Matches 16; Conserv
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                             3437 GGGCCCTGGAGCAGGAGAA 3455
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 N
                                                                                                                                                                                            Altan,O., Kurreck,J., Gruenweller,A. and Antisense oligonucleotides against pim1 Patent: WO 2003106681-A 75 24-DEC-2003; Gruenenthal GmbH (DB)
                                                                                                                                                                                                                                                                                                                                                           CQ759163
Sequence 75 from Patent
CQ759163
CQ759163.1 GI:44849154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 20)
Murphy,C.I. and Massung,R.F.
Novel granulocytic ehrlichia genes and uses thereof
Patent: JP 2002577042-A 24 27-AUG-2002;
AQUILA BIOPHARMACEUTICALS INC, CENTERS FOR DISEASE CONTROL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    unidentified
                                                                                                                                                                                                                                                                                  Rattus norvegicus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C12N1/19,C12N1/21,C12N5/10,C12Q1/68,G01N33/50,G01N33/53,G01N33/ PC
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                                                                                                                                                                                                                                                                                                                               Rattus norvegicus (Norway rat)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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 GTGGCCTGGGGCAGGAGAA 20
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23-OCT-1998 JP 2000562526
28-JUL-1998 US 60/094381
CHERYL I MURCHY, ROBERT F MASSUNG
C12N15/09, A01K67/027, A61K39/00, A61P31/00, C07K14/195, C07K16/12, C12N1/15,
                                                           Conservative
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JP 2002527042-A/24
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                /organism="Rattus norvegicus"
/mol_type="unassigned DNA"
/db_xref="taxon:10116"
                                                                                                                                                                             Location/Qualifiers
                                                                        0.3%;
                                                                                                                                                                                                                                                                                                                                                                                           from Patent W02003106681.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 14.2; DB 1;
84.2%; Pred. No. 7.5e+02;
ative 0; Mismatches 3;
                                                         0,
                                                                        Score 14.2; DB 1;
Pred. No. 7.5e+02;
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RESULT 1213 CQ761540

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RESULT 1215
CQ761599/c
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CQ761548
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Local Similarity 84.2%;
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Sequence 158 from Patent
CQ761540
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                                                      synthetic construct synthetic construct
                                                                                                               Sequence 217 from Patent CQ761599
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Location/Qualifiers
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synthetic construct
artificial sequences.
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Sequence 166 from Patent
CQ761548
CQ761548.1 GI:44904784
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Antisense modulation of 1rh1 expression
              Kane, C.D.
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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                                        sequences.
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84.2%; Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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CQ761709/C
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CQ761657/c
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CQ761709
CQ761709.1 GI:44904945
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Sequence 275 from Patent
CQ761657
CQ761657.1 GI:44904893
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Pharmacia Corporation (US)
Location/Qualifiers
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synthetic construct
artificial sequences.
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Location/Qualifiers
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                                        /organism="synthetic construct"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Human LRH1 antisense"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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84.2%; Pred. No. 7.5e+02;
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CQ762153/c
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Antisense modulation of 1rh1 expression Patent: WO 2004003201-A 1106 08-JAN-2004; Pharmacia Corporation (US)

Location/Qualifiers
CQ762844 20 bp DNA Sequence 1462 from Patent WO2004003201.
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Patent: WO 2004003201-A 771 08-JAN-2004;
Pharmacia Corporation (US)
Location/Qualifiers
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                                                                                                                                                                                          /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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Sequence 250
CQ763887
CQ763887.1
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CQ762844.1
                                                             synthetic construct
synthetic construct
artificial sequences.
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  Antisense modulation of 1rh1 Patent: WO 2004003201-A 2505 Pharmacia Corporation (US)
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synthetic construct
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Patent: WO 2004003201-A 1462 08-JAN-2004;
Pharmacia Corporation (US)
Location/Qualifiers
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                                       Kane, C.D.
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2505 from Patent WO2004003201
                                                                                                                                                                                                                                                                                                                      /organism="synthetic construct"
/mol type="unassigned DNA"
/mb xref="teaxon:32630"
/note="Human LRH1 antisense"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 7.5
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WO2004003201
              expression 08-JAN-2004;
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7.5e+02;
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CQ767200/c
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CQ763961/c
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Query Match
Best Local Similarity
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Best Local Similarity 84.2%;
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Sequence 2579 from Patent
CQ763961
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Patent: WO 2004003201-A 2579 08-JAN-2004;
Pharmacia Corporation (US)
Location/Qualifiers
                                                                                                                                                                 Methylgene,
                                                                                                                                                                            Besterman, J.M., Li, Z., Delorme, D. and Bonfils, C. Methods for specifically inhibiting histone deacetylase-7 Method: WO 2004005513-A 28 15-JAN-2004;
                                                                                                                                                                                                                                                           synthetic construct synthetic construct
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                                          /noTe="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide~Description of Artificial Sequence: Synthetic oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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0.3%;
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84.2%; Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
Score 14.2; DB 1;
Pred. No. 7.5e+02;
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CQ767554/c
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CQ772754
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CQ786092/c
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Best Local Similarity
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Sequence 21 from Patent BP1386931.

CQ767554

CQ767554.1 GI:45095671
                                                                                                                                                                                                                                                               Fontcuberta Boj, J. and Soria Fernandez, J.M.
Novel allelic variants in the factor vii gene
Patent: WO 2004011675-A 22 05-FEB-2004;
Fundacio privadainstitut de recerca de l'hospital de l a santa
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/mol type="unassigned DNA"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Artificial Sequence"
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/mb.trye="Description of the Artificial Sequence:
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Pred. No. 7.5e+02;
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CQ797975
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Local Similarity 84.2%;
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Patent: WO 2004018711-A 16 04-MAR-2004;
University College London (GB)
Location/Qualifiers
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           1 (bases 1 to 20)
Yamanishi, K., Kondo, M., Aono, T. and Takarada, Y.
OLIGONUCLEOTIDE FOR DETECTION OF EPSTEIN-BARR V
                                                                 unidentified
                                                                                         B08941.1 GI:2177045
JP 1995079776-A/6.
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PCR primer for amplifying
E08941
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CQ786092
CQ786092.1 GI:45721195
                                                   unclassified.
                                                                               unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CQ797975.1 GI:46426461
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         artificial sequences.
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/mol_type="unassigned DNA"
/mol type="unassigned DNA"
/db xrefs"taxon:32630"
/noTe="primer for amplification of D3S1566"
                                                                                                                                                                                                                                                                                                                                     /mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                          /note="Primer"
                                                                                                                                                                                                                                                                                                                                                                                         ocation/Qualifiers
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Pred. No. 7.
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WO2004029285.
                                                                                                                                 20 bp DNA li
Epstein-Barr virus.
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              VIRUS (EBV)
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Query Match
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B12421/c
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Best Local Similarity
Matches 16; Conserv
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VITLE RAT OBESITY GENE, ITS GENE PRODUCT AND ITS PRODUCTION

VITLE PATENT: UP 196333394-A 7 17-DEC-1996;

VIT OS None
OC Artificial sequences.
PN JP 196333394-A/7
PD 17-DEC-100
                                                                                                                                                                                  PC C12R1:19), (C12P21/02,C12R1:19), (C12P21/02,C12R1:91); CC strandedness: Single; CC topology: Linear; CC hypothetical: No; CC anti-sense: No; Location; Lo
                                                                                                                                         source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bource
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TOYOBO CO LTD
OS None
OC Artificial sequences.
PN JP 1995079776-A/6
PD 28-MAR-1995
PF 16-SEP-1993 JP 1993230396
PI YAMANISHI KOICHI, KONDO MOTOHIRO, AC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19
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PN JP 1996333394-A/7

PD 17-DEC-1996

PP 02-APR-1996 JP 1996079916

PP 03-APR-1995 JP 95P 77996

PR 03-APR-1995 JP 95P 77996

PI NAKAO ICHIKAZU, OGAWA YOSHIHIRO, FUJISAWA YUKIO PC

PI NAKAO ICHIKAZU, OGAWA YOSHIHIRO, FUJISAWA YUKIO PC

PI NAKAO ICHIKAZU, OGAWA YOSHIHIRO, FUJISAWA YUKIO PC
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strandedness: Single;
topology: Linear;
hypothetical: No;
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JP 1995079776-A/6
28-MAR-1995
16-SEP-1993 JP 1993230396
1AMANISHI KOICHI, KONDO MOTOHIRO, AONO TOSHIYA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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/db_xref="taxon:32644"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Pred. No. 7.5e+02;
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0.3%; Score 14.2;

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RESULT 1232
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                                                                            AUTHORS
TITLE
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                                                                                                                                                                                                                                                                                                                                          Matches
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Local Similarity 84.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMITOMO METAL IND LTD
OS None
OC Artificial sequence
PN JP 1997257798-A/13
PD 03-OCT-1997
PF 19-MAR-1996 JP 1996
PI SHIMADA KAZUNORI, N
PC G01N33/566,C12N15/0
CC strandedness: Singl
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
FH Key Loc
FT source 1.
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Reiko, S. and Koichi, I.

Animal with insufficient expression of beta-caerulein patent: JP 199928532-A 13 19-OCT-1999;

TAKEDA CHEM IND LTD
OS Unidentified
N JP 1999285332-A/13
PD 19-OCT-1999
PF 16-MAR-1998 JP 1998065852
PR
                                                                                                                                                      Animal with insufficient expression E25706 E25706. GI:13020667 JP 199285332-A/13. unidentified
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Shimada, K. and Namatame, Y.
IMMOBILIZATION OF GENE
Patent: JP 1997257798-A 13 03-OCT-1997;
                                                                                                                                            unidentified
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                                                                                                                  (bases 1 to 20)
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19-MAR-1996 JP 1996062885
SHIMADA KAZUNORI, NAMATAME YASUKO
G01N33/566,C12N15/09,C12Q1/68;
strandedness: Single;
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                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism='Artificial sequences'
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/mol_type="genomic DNA"
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Pred. No. 7.5e+02;
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n of beta-caerulein gene
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RESULT 1234
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E37452
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Matches 16
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Best Local Similarity
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E37460
Wethod for identify
E37460
E37460.1 GI:186267
JP 2000210085-A/1.
Bos sp.
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Method for identifying
E37452
E37452.1 GI:18626704
JP 2000210084-A/1.
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PC A01K67/027,C12N5/10,C12N15/09,G01N33/15,C12N5/00,C12N15/00 CC
Strandedness: Single;
CC Topology: Linear;
FY Key Location/Qualifiers
FT source 1..20
PT 1..20
PT /organism='Unidentified'
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                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 20)
Kato, M. and Takeuchi, A.
Method for identifying animal hair fiber by
Patent: JP 2000210084-A 1 02-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NIPPON KAGAKU SENI KENSA KYOKAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bovinae; Bos.
                                                                                                                                                                                                          Similarity
                                                                                                                                       CATTCTCCTCTGTTACCCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGCAGTGGCAGGGAGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                   Bos sp. (bovine)
JP 2000210084-A/1
02-AUG-2000
25-JAN-1999 JP 1999015616
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                                                                                                                                                                                                                                                                                                                                    source
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                                                       for identifying
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                                                                                                                                                                                                                                                /organism="Bos sp."
/mol_type="genomic DNA"
/db_xref="taxon:29061"
                                                                                                                                                                                                                                                                                                   /organism='Bos
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                              GI:18626712
                                                                                                                                                                                              0.3%; Score 14.2; DB 1;
84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3
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Pred. No. 7.5e+02;
0; Mismatches 3;
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                                                       animal
                                                          meat
                                                                                                                                                                                                                                                                                                                      sp. (bovine)'.
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E59323/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AUTHORS
TITLE
                                                                                              Query Match 0.3%;
Best Local Similarity 84.2%;
Matches 16; Conservative
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TITLE
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Best Local
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Kato,M. and Takeuchi,A.

Method for identifying animal meat by DNJ
METHOD REAL SENI KENSA KYOKAI
OS BOS BD. (bovine)
PN JP 2000210085-A/1
PD 02-AUG-2000
PF 25-JAN-1999 JP 1999015617
PR MIKI KATO,AKIO TAKEUCHI
PC C12N15/09,C12Q1/68,G01N33/12,C12N15/
CC
PH Key Location/Qualifiers
FT SOURCE /organism='Bos sp. (
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                                                                                                                                                                                                                                                                                                                                                                          artificial sequences.

1 (bases 1 to 20)
Hirose,K. and voshida,T.
Method for purifying oligonucleotide
Patent: JP 2000342265-A 4 12-DEC-2000;
TOAGOSEI CHEM IND CO LTD
OS Artificial Sequence
PN JP 2000342265-A/4
PD 12-DEC-2000
PF 02-JUN-1999 JP 1999154974
PR 02-JUN-1999 JP 1999154974
PR C12N15/09,B01D15/08,C12N15/00
CC C12N15/09,B01D15/08,C12N15/00
CC FH Key Location/Qualifier
FT source 1.20
PT source 1.20
PT formal control of the control
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849 CCAACCCACCTCCACCGCA 867
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Bovinae; Bos.
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Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
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C12N15/09,C12Q1/68,G01N33/12,C12N15/00
                                                                                                                                                                                                                                                                                                                                         /organism='Artificial
                                                                                                                                                                                                                       /organism="synthetic construct"
/mol_type="genomic DNA"
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/db_xref="taxon:29061"
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                                                                                                                        Score 14.2; DB 1;
Pred. No. 7.5e+02;
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I24316/c
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AUTHORS
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                                                 Query Match 0.3%;
Best Local Similarity 84.2%;
Matches 16; Conservative
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Best Local Similarity
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                         1840 CTGGGCAGTTTGCTGGGGA 1858
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M synthetic construct

M synthetic construct

M synthetic construct

1 (bases 1 to 20)

1 (bases 1 to 20)

Hirose, K. and Yoshida, T.

Method for purifying oligonucleotide

Patent: JP 2000342265-A.9 12-DEC-2000;

TOAGOSEI CHEM IND CO LTD

OS Artificial Sequence

OS Artificial Sequence
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                                                                                                                                        1 (bases 1 to 20)
Silverstein,S.J., Lungu,O. and Wright,T.C. Jr.
Polymerase chain reaction/restriction fragment length polymorphism method for the detection and typing of myobacteria Patent: US 5543294-A 11 06-AUG-1996;
Location/Qualifiers
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Method
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JP 2000342265-A/9.
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12-DEC-2000
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="synthetic co
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                   /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                           GI:1604186
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                                                 Score 14.2; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7.5e+02
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REFERENCE
AUTHORS
TITLE
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VERSION
KEYWORDS
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179718/c
LOCUS
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I41460
LOCUS
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AUTHORS
TITLE
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ORGANISM
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VERSION
KEYWORDS
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I32964/c
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Best Local Similarity 84.2%;
Matches 16; Conservative
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Local Similarity 84.2%;
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Koziel, M.G., Desai, N.M., Lewis, K.S., Kramer, V.C., Warren, G.W.,

Evola, S.V., Crossland, L.D., Wright, M.S., Merlin, E.J., Launis, K.L.,

Rothstein, S.J., Bowman, C.G., Dawson, J.L., Dunder, E.M., Pace, G.M.

and Suttie, J.L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tamura, R. N. and Quaranta, V.
Integrin alpha subunit cytoplasmic domain
Patent: US 5589570-A 11 31-DEC-1996;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 11 from patent US I32964 I32964.1 GI:1823755
1 (bases 1 to 20)
Trofatter, J.A., MacCollin, M.M. and
Tumor suppressor gene merlin
                                                                                                    Sequence 13 from patent US 179718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                    Unknown
                                                                                                                                                                                                                                                                                                                                          Patent: US 5625136-A 57 29-APR-1997;
                                                                                                                                                                                                                                                                                                                                                               Synthetic DNA sequence having enhanced
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                                                                                                                                                                                        CACGCTACAGTTAAGAGTC 1
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57 from patent US 5625136.
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/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                      /mol_type="unassigned
                                                                                                                                                                                                                                                                                                     /organism="unknown"
                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                         GI:3208008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GI:2082050
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Pred. No. 7.5e
0; Mismatches
                                                                                                                                                                                                                                        0;
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Pred. No. 7.5e+02;
                                                                                                                                                                                                                                         Mismatches
                                                                                                               20 bp 1
S 5707863.
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S 5589570.
                                                                                                                                                                                                                                                                                         DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1;
               Gusella, J.F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA
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                                                                                                                           DNA
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                                                                                                                                                                                                                                                               Length 20;
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                                                                                                                             PAT 10-JUN-1998
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KEYWORDS
SOURCE
ORGANISM
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AUTHORS
TITLE
JOURNAL
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SOURCE
ORGANISM
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AR207161/c
LOCUS
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AUTHORS
TITLE
JOURNAL
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FEATURES
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
Matches 16; Conserv
                                           Matches
                                                     Query Match 0.3%;
Best Local Similarity 84.2%;
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                     3979 GACATCAAGGCTGAGCCTG 3997
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Sequence
AR207161
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Sequence
AR193138
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Dean, N.M. and Cowsert, L.M.
Dean, N.M. and Cowsert, L.M.
Antisense inhibition of HPK/GCK-like
Antisense inhibition of 12-FEB-2002;
Patent: US 6346416-A 23 12-FEB-2002;
Location/Qualifiers
                                                                                                                     1 (bases 1 to 20)

Bennett, C.Frank. and Cowsert, L.M.

Antisense modulation of talin expression
Patent: US 6372492-A 55 16-APR-2002;
Location/Qualifiers
                                                                                                                                                                              Unknown.
Unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unknown.
Unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent: US 5707863-A 13 13-JAN-1998;
Location/Qualifiers
                                                                                                                                                                                                      Unknown.
                                                                                                                                                                                                                           AR207161.1
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                                           Conservative
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                                                                                      /organism="unknown"
/mol_type="unassigned
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                                                                                                                                                                                                                                                from patent
                                           0;
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Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7.5e+02;
0; Mismatches 3;
                                          Score 14.2; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 3;
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RESULT 1243 AR208115

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REFERENCE
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AR208852
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AR208839
                                   FEATURES
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Best Local S
Matches 16
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Best Local Similarity
Matches 16; Conserv
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Sequence 33
AR208115
AR208115.1
                                                                                                                                            AR208852
Sequence
AR208852
                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 20)
Bennett, C. Frank. and Cowsert, L.M.
Antisense inhibition of cytohesin-1 expression
Patent: US 6383809-A 48 07-MAY-2002;
Location/Qualifiers
                                         Unclassified.

1 (bases 1 to 20)

Bennett, C. Frank, and Cowsert, L.M.

Antisense inhibition of cychesin-1 expression

Patent: US 6383809-A 61 07-MAY-2002;
                                                                                                                                                                                                                                                                                                                                                                                                            Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unclassified.

1 (bases 1 to 20)

Popoff, I. and Wyatt, J.

Antisense modulation of damage-specific
                                                                                                                                                                                                                                                                                                                                                                                                                       Unknown.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 48 from AR208839
                                                                                                             Unknown.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent: US 6379960-A 33 30-APR-2002;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                   Unclassified.
                                                                                                                                                                                                                                                                           Similarity
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                                                                                                                                                                                                                                                                0.3%; Score 14.2;
llarity 84.2%; Pred. No. 7
Conservative 0; Mismatch
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/mol_type="unassion"
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/mol_type="unassigned
/organism="unknown"
/mol_type="unassigned
                                  Location/Qualifiers
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S 6379960.
   DNA
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    /ERSION
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RESULT 1248
AR216034/c
LOCUS
DEFINITION
ACCESSION
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AUTHORS
TITLE
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ACCESSION
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KEYWORDS
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AUTHORS
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AR215945/c
LOCUS
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ORGANISM
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AR212121
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Best Local S
Matches 16
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Best Local S
Matches 16
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Best Local Similarity 84.2%;
Matches 16; Conservative
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AR216034
Sequence 81
AR216034
AR216034.1
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Sequence 88
AR212121
AR212121.1
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Unknown.
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                                                                                                                                                                                                                                                                                                   AR215945
Sequence
AR215945
AR215945.
                                                                                                                                                                                                        1 (bases 1 to 20)
Bennett, C.F., Freier, S.M. and Watt, A.T.
Antisense modulation of phospholipase A
(Ca2+-independent) expression
Patent: US 6410325-A 86 25-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                                      N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unclassified.

(Dases 1 to 20)

Baker, B.F. and Freier, S.M.

Antisense modulation of interleukin Patent: US 6399379-A 88 04-JUN-2002;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N
                                                                                                                                                                                                                                                                    Unknown.
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                                                                                                                                    Similarity
                                                                                             CCAGGACCCAGGAGAGGGA 165
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                                                                                                                                                               /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="unassigned
                                                                                                                                                                                               Location/Qualifiers
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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Pred. No. 7.
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6399379.
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AR224756
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Unknown.
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Bennett, C.F. and Freier, S.M.

Bennett on of glioma-associated Antisense modulation of glioma-associated Patent: US 6440739-A 61 27-AUG-2002;

Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P.
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Patent: US 6426188-A 114 30-JUL-2002;
Location/Qualifiers
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/mol_type="genomic DNA"
                                          /organism="unknown"
/mol_type="genomic DNA"
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Pred. No. 7.5e+02;
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AR228956/c
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AR231290/c
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Ward, D.T. and Watt, A.T.
Antisense modulation of WRN expression
Patent: US 6448080-A 56 10-SEP-2002;
Location/Qualifiers
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16; Conservat
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Antinsense modulation of Her-1 expres
Patent: US 6444465-A 142 03-SEP-2002;
Location/Qualifiers
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Similarity 84.2%;
16; Conservative
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Pred. No. 7.5e+02;
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Egholm,

Buchardt, O.,

Dueholm, K.L.,

Christensen, L.,

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1 (bases 1 to 20)

Egholm, M., Nielsen, P., Buchardt, O., Dueholm, K.L., Coull, J.M., Kiely, J. and Griffith, M. Peptide nucleic acids

Peptide nucleic acids

Patent: US 6451968-A 29 17-SEP-2002;

Location/Qualifiers
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Sequence 29 from patent US 6451968.
AR231292 21:27272223
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Egholm,M., Nielsen,P., Buchardt,O., Dueholm,K.L., Christensen,L.,
COull,J.M., Kiely,J. and Griffith,M.
Peptide nucleic acids
Patent: US 6451968-A 28 17-SEP-2002;
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AR231291
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AR231324/c
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AR231293/c
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AR233429
AR233429.1
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Sequence 63
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Sequence
AR231293
Unknown.
Unclassified.
Inclassified.
1 (bases 1 to 20)
1 (bases 1 to 20)
Detera-Wadleigh,S.D., Yoshikawa,T., Sanders,A.R. and Esterling,L.E.
Polynucleotides encoding IMP.18p myo-inositol monophosphatase and
                                                                                                                                                                                                                                                                                                                                                Unclassified.

1 (bases 1 to 20)

Egholm,M., Nielsen,P., Buchardt,O., 1

Coull,J.M., Kiely,J. and Griffith,M.

Peptide nucleic acids

Patent: US 6451968-A 63 17-SEP-2002;
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Egholm,M., Nielsen,P., Buchardt,O.,

Coull,J.M., Kiely,J. and Griffith,M.

Peptide nucleic acids

Patent: US 6451968-A 30 17-SEP-2002;
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llarity 84.2%;
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                                                                                                                                                                                                                                                                                               /mol_type="genomic DNA"
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/mol_type="genomic DNA"
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from patent US 6451968.
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from patent US 6458532.
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84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3
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AR237490
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Unknown.
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Wong,A.K.C., Tavtigian,S.V. and Teng,D.H.F.
BRG1 is a tumor suppressor that is mutated in prostate and
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AR233647
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16; Conserv
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Patent: US 6465629-A 22 15-OCT-2002;
Location/Qualifiers
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Patent: US 6458536-A 9 01-OCT-2002;
Location/Qualifiers
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Unclassified.
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ilarity 84.2%;
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/mol_type="genomic DNA"
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/mol_type="genomic I
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/mol_type="genomic |
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AR257222
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AR241075
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Best Local Similarity 84.2%;
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Sequence 77:
AR257222
AR257222.1 (
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Sequence 46
AR241075
AR241075.1
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Sequence 18 1
AR241047
AR241047.1 (
Popoff, I.

Antisense modulation of PTPN2 expression
Patent: US 6485974-A 77 26-NOV-2002;
Location/Qualifiers
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Antisense modulation of bifunctional apoptosis regulator expression
Patent: US 6468796-A 46 22-OCT-2002;
Location/Qualifiers
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Location/Qualifiers
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AR279834
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AR271204
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Szostak, J.W. and Roberts, R.W.
RNA-antibody fusions and their selection
Patent: US 6518018-A 31 11-FEB-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                           16;
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Patent: US 6503152-A 147 07-JAN-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                       Unknown
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Pelz,D.T.
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llarity 84.2%;
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3;
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1 (bases 1 to 20)

1 (cohen, D., Chumakov, I. and Blumenfeld, M. Cohen, D., Chumakov, I. and Islumenfeld, M. Biallelic markers for use in constructing disequilibrium map of the human genome patent: US 6537751-A 7052 25-MAR-2003; Location/Qualifiers
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Unknown.
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AR295317
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing
disequilibrium map of the human genome
Patent: US 6537751-A 4755 25-MAR-2003;
                                                                       1 (bases 1 to 20)
Tournier-Lasserve, E., Joutel, A.,
Gene involved in cadasil, method
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                                                                application
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                                     US 6537775-A 96 25-MAR-2003;
Location/Qualifiers
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/organism="unknown"
/mol_type="genomic"
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/mol_type="genomic DNA"
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Sequence 190
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AR311370.1
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Watt, A.T.
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AR307819
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Liskay, R.M., Bronner, C.E.,
Kolodner, R.D.
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AR301007
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/mol_type="genomic |
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/mol_type="genomic |
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           GI:31704796
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AR313938
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                           /organism="unknown"
/mol_type="genomic
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/mol_type="genomic DNA"
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Score 14.2; DB 1;
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Griffais,R., Hoiseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynucleotides and
Patent: US 6559294-A 4382 06-WAY-2003;
Location/Qualifiers
                                                                                         1 (bases 1 to 20)
Griffais,R., Hoiseth,S.K., Zagursky,R.J.,
Gankara,B. and Fletcher,L.D.
Chlamydia pneumoniae polynuclectides and v
Patent: US 6559294-A 4475 06-MAY-2003;
Location/Qualifiers
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Griffals,R., Holeeth,S.K., Zagursky,R.J., Metcalf,B.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynucleotides and uses thereof
Patent: US 6559294-A 1907 06-MAY-2003;
Location/Qualifiers
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84.2%; Pred. No. 7.5e+02;
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Pred. No. 7.5e+02
0; Mismatches
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Best Local Similarity 84.2%;
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                                Sequence
AR315770
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Griffals,R., Hoiseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydla pneumoniae polynucleotides and
Patent: US 6559294-A 5536 06-MAY-2003;
Location/Qualifiers
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AR314041
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Griffals,R., Hoiseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynuclectides and u
Patent: US 6559294-A 4578 06-MAY-2003;
Location/Qualifiers
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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Best Local Similarity
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Sequence
AR315919
                                                                                         Griffals,R., Hoiseth,S.K., Zagursky,R.J., Sankaran,B. and Fletcher,L.D. Chlamydia pneumoniae polynucleotides and Patent: US 6559294-A 6599 06-MAY-2003;
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Griffals,R., Hoiseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynuclectides and u
Patent: US 6559294-A 6456 06-MAY-2003;
Location/Qualifiers
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Griffals,R., Holseth,S.K., Zagursky,R.J.,
Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynucleotides and u
Patent: US 6559294-A 6307 06-MAY-2003;
Location/Qualifiers
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Sequence 6599 from patent
AR316062
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Similarity 84.2%;
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Sequence 62
AR350285
AR350285.1
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Ishizuka, T., Ishiguro, T. and Saitoh, J.
Oligonucleotides for detection of Vibrio parahaemolyticus
detection method for Vibrio parahaemolyticus using the sam
oligonucleotides
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Wright, J.A., Young, A.H. and Lee, Y.S.
Oligonucleotide sequences complementary
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Sequence 7 from
AR317355
                                                                                                                                                                                                                                                   thioredoxin reductase genes and methods cell growth
                                                                                                                                                                                                                                                                                                                    Unknown.
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                                                                                                                                                                                                                                          Patent:
                                                                                                                                                                                                                                                                                                                                   Unknown.
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                                                                                                                                                                                                                             US 6566514-A 43 20-MAY-2003;
Location/Qualifiers
                                62 from patent US
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                                                                                                                                                                                           /mol_type="genomic DNA"
                                                                                                                                                                                                      /organism="unknown"
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84.2%; Pred. No. 7.5e+02;
Live 0; Mismatches 3
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Pred. No. 7
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RESULT 1283
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AUTHORS
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Matches 16; Conserv
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Sequence 11:
AR359520
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AR363561
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1 (bases 1 to 20)

Bennett, C.F., Baker, B.F., Wyatt, J. and Davis, S
Antisense modulation of CD40 ligand expression
Patent: US 6586245-A 62 01-JUL-2003;
                                                                                1 (bases 1 to 20)
Wang, A.M., Doyle, M.V. and Mark, D.F.
Quantitation of nucleic acids using
Patent: US 5219727-A 29 15-JUN-1993;
Location/Qualifiers
                                                                                                                                                                                                                                                                                           N
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                                                                                                                                                           Unknown.
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113 from patent US 6
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/mol_type="genomic
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                                              /organism="unknown"
/mol_type="genomic |
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 0.3%; Score 14.2; DB 1;
84.2%; Pred. No. 7.5e+02;
ative 0; Mismatches 3;
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84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3
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AR373486/c
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AR373729
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AR373728
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Matches 16
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Best Local Similarity 84.2%;
Matches 16; Conservative
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                                                                  Sequence
AR373729
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AR373486
                                                                                                                                                                                             16;
Unknown.
Unclassified.
1 (bases 1 to 20)
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Patent: US 6602713-A 56 05-AUG-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                   1 (bases 1 to 20)
COWBETT, I.M., Wyatt, J., Monia, B.P., Butler, M.M. and McKay, R. Antisense modulation of PTP1B expression
Patent: US 6602857-A 120 05-AUG-2003;
                                                                                                                                                                                                                                                                                                                                 Unclassified.
                                                                                                                                                                                                                                                                                                                                            Unknown
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llarity 84.2%;
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                                                                              121 from patent
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/mol_type="genomic |
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/mol_type="genomic DNA"
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                                                        GI:40076140
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Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7.5e+02;
0; Mismatches 3
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AR478354
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AR475664
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Best Local S
Matches 16
                                             Query Match 0.3%; Score 14.2; DB 1
Best Local Similarity 84.2%; Pred. No. 7.5e+02
Matches 16; Conservative 0; Mismatches
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Sequence 71
AR478354
AR478354.1
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Sequence
AR475664
                                                                                                                                 1 (bases 1 to 20)
Fishman,J.A.
Molecular sequence of swine retrovirus
Patent: US 6699663-A 71 02-MAR-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 20)

Bennett, C.F. and Freier, S.M.

Antisense modulation of sphingosine-1-phosphate lyase expression

Patent: US 6692960-A 31 17-FEB-2004;

Location/Qualifiers
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/mol_type="mRNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="unknown"
/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                        from patent US 6699663
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84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3
                                                                                                                                                                                                                                                                                                                                                                                                Score 14.2; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 3;
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AR493268/c
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AR488803/c
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Sequence 71
AR492701
AR492701.1
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Zoghbi,H.Y., Van den Veyver,I.B., Amir,R.
Method of screening Rett syndrome by detec
Patent: US 6709817-A 4 23-MAR-2004;
Location/Qualifiers
     1 (bases 1 to 20)
Roder, M., Plaschke, J. and Ganal, M.
Microsatellite markers for plants of the species Triticum aestivum and Tribe triticeae and the use of said markers
Patent: US 6720137-A 300 13-APR-2004;
                                                                                                                     Sequence
AR493268
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                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
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                                                                 Unclassified.
                                                                         Unknown.
                                                                                       Unknown.
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                                                                                                                                                                                                                                                                                                                                                       Wyatt,J.
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/mol_type="genomic |
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/mol_type="genomic DNA"
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cting a mutation
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Koziel, M., Desai, N., Pace, G.M., Suttie, J., Car

Koziel, M., Desai, N., Pace, G.M., Launis, K.,

Dawson, J.L., Dunder, E., Wright, M., Launis, K.,

Lewis, K., Warren, G. and Evola, S.

Transgenic maize seed and method for controlli

Patent: US 6720488-A 57 13-APR-2004;
                                                                                                                                                              Patent: WO 0000638-A 4 06-JAN-2000;
DEURSEN PETRUS BERNARDUS HUGO (NL);
(NL); SILLEKENS PETER THEODORUS GERA
                                                                                                                                                                                                            Kok, W., Sillekens, P.T. and Van Deursen, P.B. Tagging of rna amplicons generated by trans
                                                                                                                                                                                                                                                               synthetic
                                                                                                                                                                                                                                                                        synthetic construct
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                                                                                                     /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="unknown"
/mol_type="unassigned
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/mol_type="genomic
                                                                                          /note="synthetic oligonucleotide"
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AX106726
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Nuclectide extension on a microarray of gel-immobilized primers
Patent: WO 0065098-A 15 02-NOV-2000;
The University of Chicago (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           synthetic construct
synthetic construct
artificial sequence
              AX106726.1
                            Sequence 18 from Patent WO0125444. AX106726
                                                                                                                                                                                                                                                                                                                                                                             Macleod, A.R., Li, Z. and Besterman, J.M. Inhibition of histone deacetylase Patent: WO 0071703-A 19 30-NOV-2000; Methylgene, Inc. (CA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 19 from Patent AX053095
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                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                    /organism="synthetic construct"
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/db_xref="taxon:32630"
/note="Description of Combined DNA/RNA Molecule: Positions
1-4 and 17-20 are 2'.-methoxyribose substituted
nucleotides; positions 5-16 are deoxyribonucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
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Pred. No. 7.5e+02;
0; Mismatches 3;
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WO0071703.
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AX116370
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Human phosphodiesterase zcycor13
Patent: WO 0125444-A 19 12-APR-2001,
ZymoGenetics, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Presnell, S.R., Novak, J.B. and Gao, Z. Human phosphodiesterase zcytor13
Patent: WO 0125444-A 18 12-APR-2001; ZymoGenetics, Inc. (US)
Location/Qualifiers
                                         Picoult-Newburg, L. and Pohl, M. Genotyping reagents, kits and methods of Patent: WO 0129262-A 1493 26-APR-2001; Orchid BioSciences, Inc. (US)
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Sequence 19 from Patent WO0125444.

AX106727
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organism="synthetic construct"
                          Location/Qualifiers
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AX163843
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AX149275/c
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Antisense oligonucleotide sequences derived
inhibitors of microorganisms
Patent: WO 0136625-A 477 25-MAY-2001;
GeneSense Technologies Inc. (CA)
Location/Qualifiers
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Sequence 12 from Patent WO0140804.
AX163843
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Sequence 477 from Patent
AX149275
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synthetic construct
                                                                                                                                                                                 Clearance of aberrant protein in correlation with disease Patent: WO 0140804-A 12 07-JUN-2001; Koninklijke Nederlandse Akademie van Wetenschappen (NL)
                                                                                                                                                                                                                                                                                                               AX163843.1 GI:14544912
                                                                                                                                                                                                                            Hol, E.M. and van Leeuwen, F.W.
                                                                                                                                                                                                                                                                      synthetic construct
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                                          h 0.3%; Score 14.2; DB 1;
Similarity 84.2%; Pred. No. 7.5e+02;
16; Conservative 0; Mismatches 3
                                                                                                                                                                                                                                                      artificial sequences.
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GCCTAGCACCCAGAGAGCA 1118
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ilarity 84.2%;
Conservative (
                                                                                                              /organism="synthetic construct"
/mol_type="unassigned DNA"
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/db_xref="taxon:32630"
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/db_xref="taxon:32630"
                                                                                                /note="3' primer"
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AX184029
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AX167902
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Matches 16
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                                        AX184029
Sequence
AX184029
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AX167890
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Mutant er g(a) and test systems for transactivation
Patent: WG 0142307-A 74 14-JUN-2001;
Sumitomo Chemical Company, Limited (JP)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                Saito, K., Ohe, N. and Satoh, H.

Mutant er g(a) and test systems for transactivation
Patent: WO 0142307-A 86 14-JUN-2001;
Sumitomo Chemical Company, Limited (JP)
Location/Qualifiers
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Sequence 86 from Patent WO0142307.
AX167902
AX167902.1 GI:14597222
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synthetic construct
Homo sapiens
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                                                       1782 from Patent
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/mbe="Designed oligonucleotide
                                                                                                                                                                                                                                                             organism="synthetic construct"

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db_xref="taxon:32630"
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from Patent WO0142307.
                            GI:15135365
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84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3;
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Sequence 5431 from Patent
AX293669
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Novel oligonucleotides and use of oligonucleotides modulating expression of enzymes involved in the synthesis of melanic pigments, as depigmentation agents
Patent: WO 0158918-A 6 16-AUG-2001;
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Sequence 6 from Patent WO0158918.
AX211697
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Patent: WO 0142511-A 1782 14-JUN-2001;
WHITEHRAD INSTITUTE FOR BIOMEDICAL RESEARCH Biotherapeutics Corporation (CA)
Location/Qualifiers
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Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of sequence differences using ligase detection reaction
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
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Pred. No. 7.5e+02;
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AX293961
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Sequence 5723 from Patent
AX293961
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                                                                         Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of sequence differences using ligase detection reaction Patent: WO 0179548-A 6561 25-OCT-2001, CORNELL RESEARCH FOUNDATION, INC. (US)
                                                                                                                                                                                                             synthetic construct synthetic construct artificial sequences.
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Sequence 6561 from Patent
AX294799
AX294799.1 GI:17056482
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llarity 84.2%;
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RESEARCH FOUNDATION, INC. (US)
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/mol type="unassigned DNA"
/db xrefs"taxon:32630"
/noTe="Hypothetical Probe Seque
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/mol_type="unassigned DNA"
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Sequence 8452 from Patent
AX296690
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Pred. No. 7.5e+02;
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      20 bp
Sequence 11 from Patent WO0196579.
AX339406
AX339406.1 GI:18135596
                                                                                                                                                                                                                                                                                                                                                    Keith, T.

Novel human gene relating to respiratory inflammatory bowel disease
Patent: WO 0178894-A 128 25-OCT-2001;
Genome Therapeutics Corp. (US)
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Sequence 128 from Patent
AX326932
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Sequence 259 from Patent WO0183749.
AX298625
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Patent: WO 0183749-A 259 08-NOV-2001;
WARNER-LAMBERT COMPANY (US) ; The Monell Chemical Senses Center
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Eukaryota; M
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Similarity 84.2%;
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                                                                                                                                                                                                                                                            /organism="synthetic construct"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noCe="Primer"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Pred. No. 7.5e+02;
0; Mismatches 3;
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Pred. No. 7.5e+02;
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Mao,Y. and Xie,Y.

A novel peptide - human muscle cell enhanced associative factor 222.88 and the polynucleotide coding this novel peptide Patent: WO 0226813-A 34 04-APR-2002;
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Sequence 34 from Patent
AX402172
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A novel peptide - human muscle cell enhanced ass
222.88 and the polynucleotide coding this novel
Patent: WO 0226813-A 16 04-APR-2002;
SHANGHAI BIOWINDOW GENE DEV IN (CN)
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Sequence 16 from Patent
AX402154
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Patent: WO 0196579-A 11 20-DEC-2001;
CropDesign N.V. (BE)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:32630"
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Pred. No. 7.5e+02;
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artificial sequences.
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Location/Qualifiers
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Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                      /organism="synthetic construct"
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0.3%;
84.2%;
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Score 14.2; DB 1;
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AX453922
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Best Local Similarity 84.2%;
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Sequence 57 from Patent EP1209237.
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Sequence 57 from Patent EP1213356.
AX453922
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Syngenta Participations AG (CH)
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Syngenta Participations AG (CH)
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/db_xref="taxon:32630"
/note="primer MK25a28"
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/db_xref="taxon:32630"
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                                                                                                             /note="primer MK25a28".
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                                                      0.3%; Score 14.2; DB 1;
84.2%; Pred. No. 7.5e+02;
tive 0; Mismatches 3
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AX456086/c
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AX477221
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Sequence
AX477221
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Aegilops tauschii
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Euraryota; Viridiplantae; Liliopsida; Poales; Poaceae;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Aegilops.
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Sequence 16 from Patent WO0170675
AX456086
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Microsatellite markers from Triticum tauschii
Patent: EP 1217079-A 234 26-JUN-2002;
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE
Location/Qualifiers
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Sequence 234 from Patent EP1217079.
AX462490 AX462490.1 GI:21885703
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 synthetic
                              AX477221.1
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Mammalia; Eutheria; Primates;
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nilarity 84.2%;
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/mol_type="unassigned DNA"
/db_xref="taxon:37682"
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/mol_type="unassigned DN
/db_xref="taxon:9606"
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Pred. No. 7.5e+02;
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WO0220848
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Catarrhini; Hominidae;
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AX488440
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Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.
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THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Roemer,T., Jiang,B., Boone,C., Bussey,H. and Ohlsen,K.L. Gene disruption methodologies for drug target discovery Patent: WO 02053728-A 5740 11-UUL-2002; Elitra Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AX488440
Sequence 5740 from Patent
AX488440
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Kekuda,R., Alsobrook,J.P., Tchernev,V.T., Liu,X., Spytek,K.A., Patturajan,M., Grose, M.M., Lepley,D.M., Burgess,C.B., Vernet,C.A., Li,L., Gorman,L., Edinger,S., Sciore,P., Ellerman,K., Malyankar,U., Rothenberg,M., Stone,D., Boldog,F., Shenoy,S. and Anderson,D. Proteins and nucleic acids encoding same Patent: WO 02053742-A 179 11-JUL-2002; Curagen Corporation (US)
                                                                                                                                                                                                                            Sequence 179 from Patent AX512423
                                                                                                                                                        synthetic construct synthetic construct
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/mol_type="unassigned DNA"
/db_xref="taxon:5476"
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84.2%; Pred. No. 7.50
tive 0; Mismatches
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Pred. No. 7.5e+02;
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WO02053742.
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WO02053728.
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AX526597
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Best Local Similarity 84.2%;
Matches 16; Conservative
Query Match
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Sequence 7 from Patent WO0246459.
AXS29080
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THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (US)
Location/Qualifiers
                                                                                                    polymorphism in the nucleotide sequence
gene and its applications
Patent: WO 0246459-A 7 13-JUN-2002;
GenOdyssee (FR)
                                                                                                                                              Bscary, J.L. Method for the determination of at least one method for the determination of at least one
                                                                                                                                                                                                                                    Homo sapiens (human)
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Sequence 312 from Patent WO0220847.
AX526597
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Mammalia; Eutheria; Primates;
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                          /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                     Location/Qualifiers
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/db_xref="taxon:32630"
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02
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Catarrhini; Hominidae;
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AX657332/c
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AX589808
RESULT 1328
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Sequence 45 from Patent WO02100896.
AX657332
                                                                                                                                                                                                                          Method for diagnosing cancer susceptibility Patent: WO 02100896-A 45 19-DEC-2002; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE UNIVERSITE CLAUDE BERNARD - LYON 1 (FR)
                                                                                                                                                                                                                                                                              dalla Venezia, N.L., Magnard, C.M., Lenoir, G.M. Sinilnikova-Erard, O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                    synthetic construct synthetic construct
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New polymucleotides and polypeptides of the ifn_g(a)-21 gene Patent: WO 02079249-A 10 10-OCT-2002;

GenOdyssee (FR)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                          /mol_type="unassigned DNA"
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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AX709055/c
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Sequence 6:
AX709055
AX709055.1
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Sequence 32 from Patent W003006652.
AX703628
AX703628.1 GI:29538527
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Inhibition of specific histone deacetylase
Patent: WO 03006652-A 32 23-JAN-2003;
Methylgene, Inc. (CA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent: WO 02088328-A 15 07-NOV-2002;
Istituto Superiore di Sanite (IT)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Belardelli,F., Santini,S.M., Parlato,S., di Pucchio,T., Lo
la Penta,C., Ferrantini,M., Santodonato,L. and D'Agostino,
Method for generating highly active human dendritic cells
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synthetic construct
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Sequence 15 from Patent WO02088328.
AX698779
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mal_type="unassigned DNA"
/mal_type="taxon:35230"
/mb_e="PCR_primer-dendritic-specific chemokine
                                                                                                                                                                                                                                                                                                                           ocation/Qualifiers,
                                                                       20 bp
from Patent W002102997.
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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Sequence 19 from Patent W003022298.
AX719304
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Isogai,T., Sugiyama,T., Otsuki,T., Wakamatsu,A., Sato,H., Ishii,S., Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R., Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and Masuho,Y.
Full-length cDNA sequences
                                                                                                                                                                       Sequence 4028 from Patent AX750503
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traitement des maladies liese au systeme immunitaire
Patent: WO 03022298-A 19 20-MAR-2003;
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
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                                                                                                           synthetic construct synthetic construct
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/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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Pred. No. 7.5e+02;
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Pred. No. 7.5e+02;
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                                                 Regulation of human aldose reductase-like
Patent: WO 03046165-A 7 05-JUN-2003;
Bayer Aktiengesellschaft (DE)
Location/Qualifiers
                                                                                                                                 synthetic construct
synthetic construct
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Location/Qualifiers
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Helix Research Institute (JP) ; Research Association
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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Pred. No. 7.5e+02
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Pred. No. 7.5e+02
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Sequence 7 from Patent WO03050299
AX785499
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                                                                                                                                                                                                                                                                                                                           Homo sapiens (human)
Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity 84.2%;
Matches 16; Conservative
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AX815731
AX815731.1
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Oreochromis niloticus (Nile tilapia)
Oreochromis niloticus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Craniata; Euteleostei; Neoteleostei;
Actinopterygii, Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes;
Labroidei; Cichlidae; Oreochromis.
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Sequence 1050 from Patent
AX804882
AX804882.1 GI:38522023
synthetic construct
synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cullen, P. and Seedorf, U. Method for analysing hereditary masculine infertility Patent: WO 03050299-A 74 19-JUN-2003; OGHAM GmbH (DE)
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Sequence 74 from Patent WO03050299.
AX785566
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:8128"
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/db_xref="taxon:9606"
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Pred. No. 7.5e+02;
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                                    Grandchamp,B. and Mentre,F. Method for in vitro detection of cancers by highlighting allelic imbalances in insertion/deletion markers Patent: WO 03072823-A 65 04-SEP-2003; ASSISTANCE PUBLIQUE, HOPITAUX DE PARIS (FR)
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Sequence 5 from Patent WO03070927.
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Patent: WO 03070927-A 5 28-AUG-2003;
Bayer Aktiengesellschaft (DE)
Location/Qualifiers
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VERENIGING VOOR CHRISTELIJK WETENSCHAPPELIJK ONDERWIJS (NL)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Sequence 55 from Patent WO03080667.
AX923558
                                                                                                                                                           Lewin,D., Goddard,A.D., Grimaldi,J.C. and Chui,C.J.

Bfit (brown fat inducible thioesterase) polypeptides
polynucleotides and their use
Patent: WO 02068619-A 15 06-SEP-2002;
Curagen Corporation (US); GENENTECH, INC. (US)
Location/Qualifiers
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AX925403
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Location/Qualifiers
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                                                                                                 /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
/note="SEQUENCE DESCRIPTION artificielle: amorce"
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/db_xref="taxon:32630"
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                                                                                     /note="primer oligonucleotide"
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84.2%; Pred. No. 7.5e+02
ative 0; Mismatches
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                                         Score 14.2; DB 1;
Pred. No. 7.5e+02;
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AX956279
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Patent: WO 03093505-A 215 13-NOV-2003;
COMMISSARIAT A L'ENERGIE ATOMIQUE (FR)
Location/Qualifiers
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AX956308
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Patent: WO 03093505-A 186 13-NOV-2003;
COMMISSARIAT A L'ENERGIE ATOMIQUE (FR)
Location/Qualifiers
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Method for determining the presence of an unconventional
transmissible agent responsible for transmissible subacute
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                       /mol_type="unassigned DNA"
/db_xref="taxon:10090"
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/db_xref="taxon:10090"
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Pred. No. 7.5e+02;
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DEFINITION
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(CE 1 (bases 1 to 20)

1 (bases 1 to 20)

Ota, T., Isogai, T., Nishikawa, T., Hayashi, K., Saito, K., Yamamoto, J., Ishii, S., Sugiyama, T., Makamatsu, A., Nagai, K., Otsuki, T.,

Kishimoto, T., Yano, K., Kanzaki, K. and Inoue, Y.

Guanosine triphosphate-binding protesin-coupled receptors, genes thereof and production and use of the same

PAL Patent: WO 0109323-A 20 08-FEB-2001;

HELLX RESEARCH INSTITUTE, TOSHIHO OTA, TAKAO ISOGAI, TETSUO NISHIKAWA, KOJI HAYASHI, KAORU SAITO, JUNICHI YAMAMOTO, SHIZUKO ISHII, OMOYASU SUGIYAMA, AI WAKAMATSU, KEIICHI NAGAI, TETSUJI OTSUKI, TOSHIMITSU KISHIMOTO, KAZUHIRO YANO, KOJI KANZAKI, YOSHIHISA INOUE

PN WO 0109323-A/20

DO 08-FEB-2001

PF 28-JUL-2000 WO 2000JP005070

PR 29-JUL-1999 US 60/18976,02-MAY-2000 UP 0P 183767 PR

18-OCT-1999 US 60/159590,17-FEB-2000 US 60/183322 PI TOSHIO OTA, TRAKO ISOGAI, TETSUJI OTSUKI, TONOYASU SUGIYAMA, AI WAKAMATSU, PI KAICHI NAGAI, TETSUJI OTSUKI, TONOYASU SUGIYAMA, AI WAKAMATSU, PI KAICHI NAGAI, TETSUJI OTSUKI, TOSHIMITSU KISHIMOTO, PI KEIICHI NAGAI, TETSUJI OTSUKI, TOSHIMITSU KISHIMOTO, PI KAICHI NAGAI, TETSUJI OTSUKI, TOSHIMITSU KISHIMOTO, PI CAICHIS/00.

PC 6161935/00.
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CC A61P3
CC sequence
FH Key
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                                                                                                                                                   Ishizuka, T., Ishiguro, T. and Saito, H. Oligonucleotide for detecting Vibrio parahaemolyticus Patent: JP 2001258569-A 7 25-SEP-2001;
                                                                                                                                                                                                                                                                                                                    synthetic construct
synthetic construct
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BD016953.1 GI:22558129
JP 2001258569-A/7.
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Artificial Sequence
JP 2001258569-A/7
25-SEP-2001
17-MAR-2000 JP 2000081805
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Description of Artificial Sequence: an artificially
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Pred. No. 7.5e+02;
0; Mismatches 3
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Method for
BD083693
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CC (C12N15/00, C12R1:63)
CC Oligonucleotide capable of binding specifically to trh1 c trh2, or RNA
CC derived therefrom CC derived th
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ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2001514905-A/32
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Mckay,R., Dean,N., Monia,B.P., Scott,P., Nero and Gaarde,W.A.
Antisence oligonucleotide composition and modulation method of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-AUG-1998 JP 2000509875
13-AUG-1997 US 08/910629
ROBERT MCKAY, NICHOLAS DEAN, BRETT P MONIA, PAMELA SCOTT PI
,WILLIAM A GAARDE
C1201/68,A6IX31/7088,A6IK48/00,A61P35/00,C12N15/09,C12P19/34,
C12N15/00
                                                                                                                                                                                                                                                                                                    0.3%; Score 14.2; DB 1.
larity 84.2%; Pred. No. 7.5e+02.
Conservative 0; Mismatches
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Location/Qualifiers
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Location/Qualifiers
1. 20
                                                                                                                                                                                                                                                                                                                                                                                                               /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon;32630"
                            assaying monkey
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Pred. No. 7.
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synthetic construct
artificial sequences.
1 (bases 1 to 20)
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OS Artif
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PD 20-NO
PF 12-MA
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synthetic construct
artificial sequences.

1 (bases 1 to 20)
1 (bases 1 to 20)
Nakamura,S., Hirano,M. and Ueda,M.
Makamura,S., Hirano,M. and Ueda,M.
Method for assaying monkey B virus and primer used for it
Patent: JP 2001321173-A 6 20-NOV-2001;
SRL INC SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N
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                                                                                                                                                                                                                                                                                                                                                                                                                    BD088562.1 GI:22634172
JP 2001321190-A/806.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             A method of arraying genome
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                                                                                                                                                         Description of Artificial Sequence: Synthetic
                                                                                                                                                                                                                                                         Artificial Sequence
JP 2001321190-A/806
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pp 2001321173-A/6
20-NOV-2001
11-MAY-2000 JP 2000138503
SHIN NAKAMURA, MAKOTO HIRANO, MASAHIRO UEDA
C12N15/09, C12Q1/68//(C12N15/09,C12R1:93), (C12Q1/68,C12R1:93),
C12N15/00,
                                                                                                                              source
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BIICHI SOEDA
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Nucleic Acid for amplifying monkey B virus
                                                                                                                                          Location/Qualifiers
                                                                                             /organism='Artificial
                                      /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon;32630"
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7
 Score 14.2; DB 1;
Pred. No. 7.5e+02;
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KEYWORDS
SOURCE
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BD090370/c
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ORGANISM
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BD091603
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synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 20)

18 Uemura,H., Okui,A., Kominami,K., Yamaguchi,N. and Mitsui,S.
Novel serine protease BSSP6
Novel serine: W0 0031257-A 17 02-7UN-2000;
PUSO PHARMACEUTICAL INDUSTRIES LTD,HIDETOSHI UEMURA,AKIRA OKUI,
KATSUYA KOMINAMI,NOZOMI YAMAGUCHI,SHINICHI MITSUI
OS Artificial Sequence
PN W0 0031257-A/17
PD 02-JUN-2000
OS ARTIGIAL SHORT
PD 02-JUN-2000
PD 02-JUN-2000
PD 02-JUN-2000
PD 19-NOV-1999 W0 1999JP006476
PR 20-NOV-1998 JP 98P 347802
PI HIDETOSHI UEMURA,AKIRA OKUI,KATSUYA KOMINAMI,NOZOMI YAMAGUCHI
PI SHINICHI MITSUI
                                                                                                                                                                                                                                                                                                                                                                                                       5320
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OS Artif
PN JP 20
PD 20-NC
PF 12-MA
PI EIICH
PC C12N1
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                                                                                                                                                                                                                                                                           Novel serine protease BSSP6.
                                                                                                                                                                                                                                          BD091603.1 GI:22637214
WO 0031257-A/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A method of arraying genome clone
Patent: JP 2001321190-A 2614 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
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synthetic construct
artificial sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description of Artificial Sequence: Synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12-MAR-2001 JP 2001068285
EIICHI SOEDA
C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566,
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Location/Qualifiers
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/db_xref="taxon:32630"
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/mol_type="genomic DNA"
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      I UEMURA,AKIRA OKUI,KATSUYA KOMINAMI,NOZOMI YAMAGUCHI, MITSUI
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Pred. No. 7.5e+02
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                                                                                                                                                                                                                                                                                                                          Wright,J.A., Young,A.H. and Lee,Y.S.
Oligonuclectide sequence complementary to thioredoxin gene or thioredoxin reductase gene and utilization thereof for controlling Patent: JP 2002501743-A 43 22-JAN-2002;
GENESENSE TECHNOLOGIES INC
OS Homo sapiens (human)
PN JP 2002501743-A/43
PD 22-JAN-2002
PP 29-JAN-1999 JP 2000529423
PP 30-JAN-1999 US 60/073196
PR 30-JAN-1998 US 60/073196
PC (12N15/09,A61X31/711,A61X45:00), (A61X35/00,A61P35/04,C07H21/04//PC (A61X31/711,A61X45:00), (A61X48:00), A61P35/00, CC Oligonuclectide sequence complementary to thioredoxin gene or CC
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PC G01N33/543
CC Designed oligonucleotide primer designated as hBSSP6F3 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BD131981.1 GI:23226926 JP 2002501743-A/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cell proliferation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (human)
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                                  TTCCAGTGTCTTGCAGGCC 312
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Location/Qualifiers
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                                                                    Conservative
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                                                                                                                                                                                                      /organism='Homo
                                                                                                                                                                                                                                                                                                                 thioredoxin
                                                                                                                                     /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                                                   0.3%;
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Pred. No. 7.5e+02;
0; Mismatches 3;
                                                                Score 14.2; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 3;
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RESULT 1354 BD132451

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Best Local Similarity
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synthetic construct
artificial sequences.

E 1 (bases 1 to 20)

E 1 (bases 1 to 20)

Dean, M.F., Hahn, H., Wicking, C., Christiansen, J.,
Zaphiropoulos, F.G., Gailani, M.R., Shanley, S., Chidambaram, A.,
Zaphiropoulos, F.G., Gailani, M.R., Shanley, S., Chidambaram, A.,
Zaphiropoulos, F.G., Gailani, M.R., Sinlies, S., Negus, K.,
Smyth, I., Pressman, C., Leffell, D.J., Gerrard, B., Goldstein, A.,
Smyth, I., Pressman, C., Leffell, D.J., Gerrard, B., Goldstein, A.,
Smyth, I., Pressman, C., Leffell, D.J., Gerrard, B., Goldstein, A.,
A basal cell carcinoma tumor suppressor gene
Patent: JP 2002504805-A 63 12-FEB-2002;
THE GOVERNMENT OF THE UNITED STATES OF AMERICA REPRESENTED BY THE
SCRETARY DEPARTMENT OF HEALTH AND HUMAN SERVICES
PN JP 2002504805-A/63
PD 11-FEB-2002
PD 11-FEB-2007
PD 11-FEB-
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PC C12N15,
A61K39/395,
PC A61K38,
CC Strande
CC Topolog
FH Key
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PI GERRARD,
PI ALISA GOLDST
CHENEVIX TRENCH,
synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 20)
Mineno, J., Meiyanto, E., Ishida, N., Takeya, T., Asada, K. and Kato,
A highly sensitive method for detecting nucleic acids
Patent: WO 0202814-A 10 10-JAN-2002;
TAKKARA SHUZO CO LTD, JUNICHI MINENO, EDY MEIYANTO, NORIHIRO ISHIDA,
TATSUO TAKEYA, KIYOZO ASADA, IKUNOSHIN KATO
OS Artificial Sequence
PN WO 0202814-A/10
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PF 16-MAY-1997 JP 1997541164
PF 17-MAY-1996 US 60/017906,21-MAY-1996 AU PO 07-JUN-1996 AU PO 0363,14-JUN-1996 US 60/019765
MICHAEL FREDERICK DEAN, HEIDI HAHN, CAROL WICKING, JEPFREY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CHRISTIANSEN,
PI PETER G ZAPHIROPOULOS, MAE R GAILANI, SUSAN SHANLEY, ABIRAMI
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A basal cell carcinoma tumor
BD132451
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WO 0202814-A/10.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C12N15/12, C07K14/47, C12N5/10, C12Q1/68, G01N33/50, A61K48/00,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Topology: Linear;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon;32630"
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RESULT 1356
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                                   RESULT 1357
BD143990
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 ACCESSION
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PF 04-JUL-2001 WO 2001JP005783

PR 05-JUL-2000 JP 00P 204177,26-APR-2001 JP 01P 129603 .

JUNICH MINENO,EDY MEIYANTO,NORIHIRO ISHIDA,TATSUO TAKEYA, PI
KIYOZO ASADA,

PI KUNOSHIN KATO
PC C12Q1/66,C12P19/34,C12N15/09
CC Designed oligonucleotide primer -
CC
PH Key
FT Source
                                                                                                                                Query Match
Best Local Similarity
Matches 16; Conserv
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BD143990 20
Human bladder cancer antigen
BD143990
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YUKIO KA
OS Art
PN WO
PD 21-
PF 12-
                                                                                    N
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Method of culturing mesenchymal stem cells
Patent: WO 0222788-A 6 21-MAR-2002;
YUKIO KATO, SHINICHI TSUTSUMI, ATSUSHI SHIMAZ
OS Artificial Sequence
PN WO 0222788-A/6
PD 21-MAR-2002
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BD142409.1 GI:23237354
WO 0222788-A/6.
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1 (bases 1 to 20)
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                                                                                     CTTCACCACCTTCTTGATG
                                                                                                                                                                                                                                                                       Key
                                                                                                                                                                                                                                                                                              12-SEP-2001 WO 2001JP007914
12-SEP-2000 JP 00P 276971
YUKIO KATO, SHINCHI TSUTSUMI, ATSUSHI SHIMAZU
C12N5/06,C12N5/02//(C12N5/06,C12R1:91),(C12N5/02,C12R1:91)
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 7.5e+02;
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                                                                                                                                              Score 14.2;
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                          PAT 17-JAN-2003
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RESULT 1358
BD174246/c
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Best Local Similarity
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Patent: JP 2002112780-A 14 16-APR-2002;
KEIO UNIVERSITY
OS Artificial Sequence
PN JP 2002112780-A/14
PD 16-APR-2002
PF 03-OCT-2000 JP 2000304144
PI HIROSHI KAWAKAMI, TOMONOBU FUJITA, KEI:
PC C12N15/09, A01K67/027, A61K38/00, A61K35
PC A61P35/00,
PATENT: WO 0206635-A 16 29-AUG-2002;

GENCOM CORP, MOTOYA KATSUKI, TETSUYA KAMAY
MITSUYOSHI ISHIDA, MINORU KATO
OS Artificial Sequence
PN WO 0206635-A/16
PD 29-AUG-2002
PF 21-FEB-2002 WO 2002JP001555
PR 23-FEB-2001 JP 01P 047735
PI MOTOYA KATSUKI, TETSUYA KAMATAKI, YU
PI ISHIDA,
PC C12N15/09,C12N1/15,C12N1/19,C12N1/;
PC A01K67/027,A61K45/00,A61P1/00,A61P:
A61P11/00,
PC A61P13/12,A61P19/00,A61P25/00,A61P:
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Key
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artificial sequences.
1 (bases 1 to 20)
Kawakami,H., Fujita,T. and Ito,K.
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JP 2002112780-A/14.
                                                                                                                                                                                                                                                                                                           1 (bases 1 to 20)
Katsuki,M., Kamataki,T., Teranishi,Y., Ishida,M. a
Transgenic animal having drug-metabolizing enzyme
utilization thereof
                                                                                                                                                                                                                                                                                                                                                                                                       synthetic construct synthetic construct
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WO 02066635-A/16.
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G01N33/566,
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Description of Artificial Sequence:KU-BL-53 Forward Primer FH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-OCT-2000 JP 2000304144
HIROSHI KAMAKAMI, TOMONOBU FUJITA, KEIICHI ITO
C12N15/09,A01K67/027,A61K38/00,A61K39/00,A61K45/00,A61P13/10,
       A61P13/12, A61P19/00, A61P25/00, A61P31/00, A61P35/00, A61P37/08 CC
                                           A01K67/027, A61K45/00, A61P1/00, A61P3/10, A61P5/00, A61P9/00, PC
                                                                                                                                     21-FEB-2002 WO 2002JP001555
23-FEB-2001 JP 01P 047735
MOTOYA KATSUKI, TETSUYA KAMATAKI, YUTAKA TERANISHI, MITSUYOSHI
                                                                          MINORU KATO
C12N15/09, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12Q1/02, A01K67/
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/mol_type="genomic DNA"
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Pred. No. 7.5e+02
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RESULT 1360
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Best Local S
Matches 16
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Best Local Similarity 84.2%;
Matches 16; Conservative
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               AUTHORS
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                                                                                                                                                                                                                                                                2386 ATTCACCTCTGTTTCCAAG
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                                                         synthetic construct
synthetic construct
                                                                                                                                   Synthetic construct DNA, NRDIKM012.
                                                                                                                                                                                                                                                                                                                                                                                                                                       GenBank staff at the National Library of Medicine created this entry [NCBI gibbsq 76103] from the original journal article.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               elements in the potato and pepper genomes homologous to the transposable element-like insertion Tst1 mol. Gen. Genet. 230 (3), 494-498 (1991)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; asterids; lamids; Solanales; Solanaceae; Solanum.

1 (bases 1 to 20)
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Solanum tuberosum
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$76103
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Ihara,N., Takasuga,A., Mizoshita,K.,
Mizoguchi,Y., Hirano,T., Itoh,T., Wa
                                                                                                                                                                AB166603
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                                           artificial sequences
                                                                                                       AB166603.1
                                                                                                                     AB166603
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kikuchi, S., Liu, X.J., Frommer, W.B., Koster-Topfer, M.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dentification and structural characterization of further DNA
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                                                                                                                                                                                                                                           ATACGCCCCTGTTTCCAAG
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                                                                                                                                                                                                                                                                                                                                                             /organism="Solanum tuberosum"
/mol_type="genomic DNA"
/db_xref="taxon:4113"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="synthetic c
/mol_type="genomic DNA
/db_xref="taxon:32630"
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Location/Qualifiers
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                                                                                                       GI:47827149
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; Pred. No. 7.5e
0; Mismatches
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Pred. No. 7.5e+02;
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                                                                                                                                               DNA linear SYN 01-JUN-2004 primer for microsatellite
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 K., Takeda,H.,
Watanabe,T.,
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   Reed, K.M.,
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                                                                                                                                                                               RESULT 1362
AX572880
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Best Local Similarity
Matches 14; Conserv
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Best Local Similarity
Matches 16; Conserv
                          TITLE
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                                                                                                                                   15 bp
Sequence 3 from Patent WO02059352.
AX572880
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Talmadge, K.D. and Hilliker, S.
RECOMBINANT DNA CONSTRUCTS CONTAINING
Patent: WO 8902471-A 4 23-MAR-1989;
LOCATION/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4 from Patent WO 109291 109291.1 GI:587997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sugimoto,Y., Thara,N. and Mizoshita,K.
Direct Submission
Submitted (04-MAR-2004) Yoshikazu Sugimoto, Shirakawa Institute (Animal Genetics; Odakura, Nishigo, Nishi-shirakawa, Fukushima 961-8061, Yapan (E-mail:kazusugi@siag.or.jp, Tel:81-248-25-5641, Fax:81-248-25-5725)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unknown
Patent:
                         Lopez-Calle, E., Fries, J. and Jungmann, J. Methods and means for detecting enzymatic cleavage and linkage
                                                                                 synthetic construct synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unknown.
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                                                                  artificial sequences.
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ilarity 100.0%;
Conservative (
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WO 02059352-A 3 01-AUG-2002;
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/mol_type="other DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
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3. 6.6e+02;
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                      620 ACTCCAGGAGCTCT 633
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Sequence 6 1
AR080878
AR080878.1
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Schuchman, B.H. and Desnick, R.J.
Acid sphingomyelinase gene
Patent: US 5773278-A 29 30-JUN-1998;
Location/Qualifiers
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Nucleosides and oligonucleotides having Patent: US 5969116-A 6 19-OCT-1999; Location/Qualifiers
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Similarity 100.0%; Pred. No. 7.4e+02
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/mol_type="unase1~~~
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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from patent US 5969116.
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NOO,S.L.C., Smith,L.C., Cristiano,R.J., Gottchalk, SNOO,S.L.C., Smith,L.C., Cristiano,R.J., Gottchalk, Nucleic acid transporter system and methods of use Patent: US 5994109-A 8 30-NOV-1999;
Location/Qualifiers
                                1 (bases 1 to 17)
Woo, S.L.C., Smith, L.C., Cristiano, R.J., Gottchalk, Nucleic acid transporter system and methods of use Patent: US 5994109-A 9 30-NOV-1999;
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Woo, S. L.C., Smith, L.C., Cristiano, R.J., Gott
Nucleic acid transporter system and methods
Patent: US 5994109-A 7 30-NOV-1999;
Location/Qualifiers
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Sequence 7 from patent US
AR091417
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Unclassified.
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AR125624
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AR125623/c
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AR125622
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Sequence 7
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Query Match 0.3%; Score 14; DB 1; L
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 14; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%;
Matches 14; Conservative
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AR125624
Sequence 9 from patent US
AR125624
AR125624.1 GI:14111686
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Woo, S. L.C., Smith, L.C., Cristiano, R.J.,

Nucleic acid transporter systems

Patent: US 6177554-A 8 23-JAN-2001;

Location/Qualifiers
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Woo,S.L.C., Smith,L.C., Cristiano,R.J.,
Nucleic acid transporter systems
Patent: US 6177554-A 7 23-JAN-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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Woo, S.L.C., Smith, L.C., Cristiano, R.J., Gottchalk, S. and Sparrow, J. Nucleic acid transporter systems
Patent: US 6177554-A 9 23-JAN-2001;
Location/Qualifiers
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PC A61P35
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OS Homo sapiens (human)
PN JP 2002509721-A/394
PD 02-APR-2002
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1 (bases 1 to 17)
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JP 2002509721-A/394.
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                                                               0.3%; Suitarity 100.0%; I Conservative 0;
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participating in vasculogenic response
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source 1. 17
                                                                                                                                                                                                                                                                                                   Method and reagent for treating diseases
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27-MAR-1998 US 60/079678
PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
                                                                                                                                                                                                                                                                                                                                                                                                         JAMES A MCSWIGGEN
                                                                                                                                                                                        /organism='Homo sapiens (human)'.
1. 17
                                                                                                                                /organism="Homo sapiens"
/mol_type="genomic RNA"
/db_xref="taxon:9606"
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/mol_type="unassigned
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0; Mismatches 0;
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Blatt, I., Zwick, M., Pavco, P. and Mcswiggen, J.

TITLE

Regulation of repressor genes using nucleic acid molecules

TOURNAL

PATENTY DE PHARMACEUTICALS INC

SENT OS BUKATYOTE

PN JP 2002541795-A/5499

PD 10-DEC-2002

PF 11-APR-2000 JP 2007

PR 12-APR-1007
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PF 11-APR-2000 UP 2000611654
PF 12-APR-1999 US 60/129390
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC C12P21/02,
                                                                                                                 Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W.
Shannon,M.E.
                                                                                                                                                                                                                                                     Sequence 6764 from Patent WO0192524.
CQ622024
                                                                        Aeomica,
                                                                                      Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 6764 06-DEC-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism='Eukaryote'.
Location/Qualifiers
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                                                                          Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="unidentified
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/db_xref="taxon:32644"
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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using nucleic acid molecules.
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    AR302290 1
Sequence 29 from patent US
AR302290
AR302290.1 GI:31690529
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Schuchman, E.H. and Desnick, R.J.
Acid sphingomyelinase gene and diagnosis of
Patent: US 5686240-A 23 11-MOV-1997;
Location/Qualifiers
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 6768 from patent
AR463091
AR463091.1 GI:42698148
                                                                                                                                                                                                                                   Unknown
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/mol_type="genomic |
/organism="unknown"
/mol_type="genomic
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/mol_type="genomic DNA"
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Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 6768 03-FEB-2004; Location/Qualifiers 1. 17
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
Shannon,M.E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polynucleotide encoding a human myosin-like polypeptide predominantly in heart and muscle Patent: US 6686188-A 6764 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unclassified.

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Gu, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. Shannon, M.E.
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                                                                                                                                                                                                                                                6686188.
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Best Local Similarity 100.
Matches 14; Conservative
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                 3820 GTTCACTTCCCTGT 3833
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Patent: WO 0157206-A 286 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US);
Location/Qualifiers
                                                                                                                                                                      1) enzyme
Patent: WO 0157206-A 287 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US);
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                                                                                                                                                                                                                                                                      synthetic construct
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GTTCACTTCCCTGT 14
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                                                   Conservative 0;
                                                                                                    /organism="synthetic construct"
/mol_type="unassigned RNA"
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/db_xref="taxon:32630"
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RESULT 1381

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AX532370
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AX423696
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Matches 14; Conserv
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Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Patent: WO 0188124-A 2031 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO (
Location/Qualifiers
                                                            AX532370
Sequence 1879 from Patent
AX532370
AX532370.1 GI:25256518
                                                                                                                                                                                                                                                                                                                                                                     Method and reagent for the inhibition of erg patent: WO 0188124-A 2032 22-MOV-2001; RIBOZYME PARRMACEUTICALS, INC. (US) ; GLAXO GROUP Location/Qualifiers
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Sequence 2032 from Patent
AX423696
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Sequence 2031 from Patent
AX423695
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
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100.0%; Pred. No. 7.4e+02;
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; Pred. No. 7.4e+02;
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Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 14; Conservative 0; Mismatches 0;
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AX532371
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                                                                                       Telerman,A., Amson,R. and Tuijnder,M.
Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use
                                                                                                                                                                                        Homo sapiens (human)
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Sequence 550 from Patent
AX672105
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Patent: EP 1239051-A 1880 11-SEP-2002;
Aeomica, Inc. (US)
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                                              Patent: WO 03004526-A 550 16-JAN-2003;
Molecular Engines Laboratories (FR)
                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/organism="Homo sapiens"
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/db_xref="taxon:9606"
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100.0%; Pred. No. 7.4e+02;
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""" has 14; Conservative 0;
                                              Query Match 0.3%; Score 14; DB 1; L
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 14; Conservative 0; Mismatches 0;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Homo sapiens
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Pour human zinc-finger-containing proteins : mdz3, mdz4, mdz7
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                        Patent: EP 1281758-A 3325 05-FEB-2003; Aeomica, Inc. (US)
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/mol_type="unassigned DN
/db_xref="taxon:9606"
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                                                                                                         /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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mdz4, mdz7

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Euteleostomi;

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AX736091 17 bp DNA Sequence 1681 from Patent W003025177.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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Sequence 2876 from Patent
AX731242
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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AX729528
AX729528.1 GI:30508871
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Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 14; Conservative 0; Mismatches 0;
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Sequence 541 from Patent
AX757220
AX757220.1 GI:32251836
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
Patent: WO 03025177-A 1681 27-MAR-2003;
                                  Homo sapiens (human)
                                                                                                       Sequence 3727 from Patent AX760406
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Location/Qualifiers
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Location/Qualifiers
Eukaryota; Metazoa; Chordata;
Mammalia; Butheria; Primates;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                       GI:32255022
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   Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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Sequence 3 from Patent WO9810094.
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Patent: WO 03040369-A 3727 15-MAY-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                1 (bases 1 to 18)
Serio, M., Orlando, C., Pazzagli, M. and Sestini, R. PLASMIDS CONTAINING TWO OR MORE COMPETITORS IN S. APPLICATION IN COMPETITIVE-PCR TECHNIQUES Patent: WO 9810094-A 3 12-MAR-1998;
SERIO MARIO (IT)
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Other publication IT FI960208 19980305 Location/Qualifiers
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Location/Qualifiers
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                                                                                                                                 unclassified.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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rative 0; Mismatches 0;
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100.0%; Pred. No. 7.4e+02;
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Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 14; Conservative 0; Mismatches 0;
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Other publication IT F1960208 19980305.
Location/Qualifiers
                                                                                                                                                  1 (bases 1 to 18)
Stinchcomb,r.T., Draper,K., McSwiggen,J. and J
C-myb ribozymes having 2'-5'-linked adenylate
Patent: US 5817796-A 2239 06-OCT-1998;
                                                                                                                                                                                                                            Unknown
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Sequence 2239 from patent
AR047446
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Serio, M., Orlando, C., Pazzagli, M. and Sestini, R. Serson, M., Orlando, C., Pazzagli, M. and Sestini, R. PLASMIDS CONTAINING TWO OR MORE COMPETITORS IN SAPPLICATION IN COMPETITIVE-PCR TECHNIQUES
PRICENT: WO 9810094-A 8 12-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A71397 18 bp
Sequence 8 from Patent WO9810094.
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CCTTGCAGCTCAAG 130
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                                                                                      /organism≃"unknown"
/mol_type="unassigned
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        1 (bases 1 to 18)
Stinchcomb, D.T., Draper, K., McSwiggen,
C-myb targeted ribozymes
Patent: US 5646042-A 2239 08-JUL-1997,
Location/Qualifiers
                                                                                                                           154498
Sequence 2239 from patent
154498
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Civelli,O. and Zhou,Q.-Y.
A3 adenosine receptor, DNA, and use
Patent: US 5441883-A 6 15-AUG-1995;
Location/Qualifiers
                                                                                Unknown.
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Li,L. and Hood,L.
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Similarity 100.0%; Pred. No. 7.6e+02;
14; Conservative 0; Mismatches 0;
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14; Conservative 0; Mismatches 0;
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                                  organism="unknown"
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                                           Draper, K., McSwiggen, J.
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AR482404
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AX101065 18 bp
Sequence 39 from Patent WO0121822.
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Walt, D.R. and Healey, B.G.
Fiber optic biosensor for selectively detecting oligonucleotide species in a mixed fluid sample Patent: US 6482593-A 4 19-NOV-2002;
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Li,L., Hood,L., Krantz,I.D. and Spinner,N. Methods of diagnosing alagille syndrome Patent: US 6703198-A 97 09-MAR-2004;
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Similarity 87.5%;
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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/mol_type="unassigned DNA"
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Yoshida,T., Tsuruta,Y., S
Scavenger receptor-like p
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Plant Bioscience Limited (GB)
Location/Qualifiers
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AX101065.1 GI:13619921
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JP 2001340089-A/10.
                                                                                                            Scavenger receptor-like protein. BD085719
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:32630"
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PC A61F
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Nguyen, T.D., Polansky, J.R., Chen, P. and C
Methods for the diagnosis, prognosis and
related disorders
Patent: US 6171788-A 22 09-JAN-2001;
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SHIONOGI & CO LTD
OS Artificial Sequence
PN JP 2001340089-A/10
PD 11-DEC-2001
PF 08-DEC-2000 JP 2000375066
PI TETSUYA YOSHIDA, YUJI TSURUTA, RYUJI
                           BD237955.1 GI:33047725 UP 2002534135-A/22.
                                                                                  BD237955 19 bp DNA linear Nucleic acids, kits, and methods for the diagnosis,
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                                                                     treatment of glaucoma and
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             Homo sapiens (human)
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TETSUYA YOSHIDA,YUJI TSURUTA,RYUJI SUZUKI,TAKAHIRO OCHI
15/09,A01K67/027,A61K38/00,A61K45/00,A61K48/00,A61P3/10,
sapiens
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Location/Qualifiers
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/mol_type="unassigned DNA"
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S Nguyen, T.D., Polansky, J.R., Chen, P. and Chen, H.

Nucleic acids, kits, and methods for the diagnosis, protreatment of glaucoma and related disorders

L Patent: JP 2002534135-A 22 15-OCT-2002;

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

OS Homo sapiens (human)

PN JP 2002534135-A/22

PD 15-OCT-2002

PP 11-JAN-2000 JP 2000593777
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AR242765
Sequence 22
AR242765
AR242765.1
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PR 11-JAN-1999 US 09/227881,07-MAY-1999 US 09/30682/
THAI D NGUYEN,JON R POLANSKY, PU CHEN, HUA CHEN PC
C12N15/09,A61K31/573,A61K45/00,A61P27/06,C12N1/15,C12N1/19,
C12N1/21,
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Hart,T.C. and Price,J.A.
Compositions and methods for enhancing osseous
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AR195417
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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22 from patent US 6475724.
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Location/Qualifiers
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/mol_type="genomic DNA"
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 GI:27289404
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Nguyen,T.D., Polansky,J.R., Chen,P. and Chen,H.
Nucleic acids, kits, and methods for the diagnosis,
treatment of glaucoma and related disorders
Patent: US 6475724-A 22 05-NOV-2002;
Location/Qualifiers
1 (bases 1 to 19)
Nguyen, T.D., Polansky, J.R., Chen, P. and Chen
Methods for the diagnosis, prognosis and tra
related disorders
Patent: JP 2001509669-A 22 24-JUL-2001;
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
                                                                                                                                  BD065060
BD065060.1 GI:22610663
JP 2001509669-A/22.
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Ribozyme therapy for the treatment of proliferative skin and
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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/mol_type="genomic DNA"
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100.0%; Pred. No. 7.8
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PN JP 2001509669-A/22
PD 24-JUL-2001
PF 09-JAN 1998 JP 1998532017
PF 09-JAN 1998 JP 1998532017
PR 28-JAN-1997 US 08/791154,26-SEP-1997 US
THAI D NGUYEN,JON R POLANSKY,PU CHEN,HUA CHEN PC
C12N15/12,C12Q1/68,C07K14/47,A61K31/70
CC Strandedness: Single;
CC Topology: Linear;
CC Methods for the diagnosis, prognosis and
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Springer, W.D. and Baumgarten, J.D.
PSEUDORABIES VIRUS POLYNUCLEOTIDS AND
OF VIRUS-RESISTANT EUCARYOTIC CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 9 from Patent
A78831
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                        Unknown
                                                            AR025475
Sequence 9 from patent
AR025475
AR025475.1 GI:3978103
                                                                                                                                                                                                                                                                                                                                                                                                                           unidentified
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Unclassified.
1 (bases 1 to 20)
                                    Unknown.
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Location/Qualifiers
                                                                                                                                                                                                                                                                   /organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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100.0%; Pred. No.
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7.8e+02;
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Query Match 0.3%; Score 14;
Best Local Similarity 100.0%; Pred. No.
Matches 14; Conservative 0; Mismatch
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AR071620
AR071620.1
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AR067416
                                                                                                1 (bases 1 to 20)
Goldstein, J.A. and De Morais, S.M.F.
Goldstein, J.A. and De Morais, S.M.F.
Cloning, expression and diagnosis of human cytochrome P450 2C19:
the principal determinant of s-mephenytoin metabolism
Patent: US 5912120-A 58 15-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                  14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent: US 5851763-A 13 22-DEC-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rapid detection of antibiotic resistance tuberculosis
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Heym, B., Cole, S.,
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Unclassified
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                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="unknown"
/mol_type="unassigned DNA"
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             DB 1;
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8e+02;
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8e+02;
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RESULT 1417
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AR158935/c
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AUTHORS
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Best Local Similarity 100.0%;
Matches 14; Conservative C
                                                                                                                                                                                                                                                                                       TITLE
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AR158935
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AR158934
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Shannon, K.W., Wolber, P.K., Delenstarr, G.C., Webb, P.G.
Kincald, R.H.
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Shannon, K. W., Wolber, P.K., Delenstarr, G.C., Webb, P.G. Kincaid, R.H.
Unknown.
Unclassified.
                                            Sequence 57 from AR163770 AR163770.1 GI:16
                                                                                                                                                                                                                                                                                                                                               Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Method for evaluating oligonucleotide probe sequences Patent: US 6251588-A 556 26-JUN-2001; Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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RESULT 1419
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BD206227/c
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AUTHORS
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JOURNAL
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PN JP 2002515252-A/40

PD 28-MAY-2002

PF 14-MAY-1999 US 09/079601.15-MAY-1998 US 09/079344 PI

JILL WAHLEITHNER, TOVE CHRISTENSEN

PC C12N15/09,C07X14/38,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N9/

PC 00,C12N9/30,

PC C12P21/00,C12P21/02//(C12N1/15,C12R1:685),(C12N1/15,C12R1:69),

PC (C12N1/21,C12R1:19),(C12N9/30,C12R1:19),C12N15/00,C12N5/00 CC

Process for producing polypeptide in mold variant cell FH Key

Location/Qualifiers
20 bp DN Total genome radiation hybrid map of identification of interesting genes. BD230529 GI:33040299 JP 200253091-A/398. Canis familiaris (dog)
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Aspergillus oryzae
Rukaryota; Fungi; Ascomycota; Pezizomycotina; Burotiomycetes;
Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.

1 (bases 1 to 20)
Wahleithner, J. and Christensen, T.
Process for producing polypeptide in mold variant cell
Patent: JP 2002515252-A 40 28-MAY-2002;
NOVO NORDISK BIOTECH INC, NOVO NORDISK AS
OS Aspergillus oryzae
PN JP 2002515252-A/40
PD 28-MAY-2002
PP 14-MAY-1999 JP 2000549742
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Bennett, C. Frank. and Cowsert, L.M.

Antisense inhibition of cytohesin-2 expression

Patent: US 6271029-A 57 07-AUG-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BD206227.1 GI:33015997
JP 2002515252-A/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Process for producing polypeptide BD206227
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                                                                                                                                                                                                                                                             0.3%; Score 14; DB 1; llarity 100.0%; Pred. No. 8e+02; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Bource
                                                                                                                                                                                                                                                                                                                                 /organism="Aspergillus (/mol_type="genomic DNA" /db_xref="taxon:5062"
                                                                                                                                                                                                                                                                                                                                                                                                      /organism='Aspergillus oryzae'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol_type="unassigned DNA"
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                                                                                       canine genome
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Cell.
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Canis familiaris

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REFERENCE
AUTHORS
TITLE
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VERSION
KEYWORDS
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AUTHORS
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BD230591
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Best Local Similarity
Matches 14; Conserv
                                     Query Match
Best Local Similarity
                Matches
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                                                                                                                                                            source
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                                                                                                                                                                                               identification of interesting genes
Patent: JP 2002530091-A 460 17-SEP-2002;
CEMPTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
OS Canis familiaris (dog)
PN JP 2002530091-A/460
PN JP 2002530091-A/460
PD 17-SEP-2002
PF 15-NOV-1999 JP 2000582596
PR 13-NOV-1998 US 60/108193
PR 13-NOV-1998 US 60/108193
PR 7FANCTS GALIBERT, CATHERINE ANDRE
PC C12N15/09, C12Q1/68, C12N15/00
CC B01481R
LOCATION Qualifiers
FT 80URCE 1.20
FT 80URCE 1.20
FT FT 7/Organism='Canis familiaris
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                14;
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DN JP 2002530091-A/398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BD230591.1 GI:33040361
JP 2002530091-A/460.
Canis familiaris (dog)
Canis familiaris
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1 (bases 1 to 20)
Galibert, F. and Andre, C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; 1 (Dases 1 to 20)
Galibert,F. and Andre,C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PH CCC PR PR POS
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Total genome radiation hybrid map of
identification of interesting genes.
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Conservative
                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-NOV-1999 JP 2000582596
13-NOV-1998 US 60/108193
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                                                                                                                                                                        /organism='Canis familiaris (dog)'.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Canis familiaris"
/mol_type="genomic DNA"
/db_xref="taxon:9615"
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Location/Qualifiers
                                                                                             /organism="Canis familiaris"
/mol_type="genomic DNA"
/db_xref="taxon:9615"
          100.0%; Pr
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100.0%; Pred. No.
                                   0.3%; Score 14;
100.0%; Pred. No.
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                  Mismatches
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                                       8e+02;
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Linear

1 (bases 1 to 20)

Oshima, A. and Ishiko, H.

TITLE

METHOD FOR DETECTING AND DIFFERENTIATING ADENOVIRUS AND OLIGONUCLEOTIDE AND DNA FRAGMENT USED THEREFOR PATENT: JP 195327700-A 28 19-DEC-1995;

NOTE OC Artificial sequences.

PN JP 1995327700-A/28

PD 19-DEC-1995

PF 08-JUN-1994

PC COMMINISTRACTOR OF THE PROPERTY OF
                                                                                                                                                                                                                                                                            ACCESSION
VERSION
KEYWORDS
SOURCE
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AUTHORS
TITLE
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KEYWORDS
SOURCE
ORGANISM
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LOCUS
DEFINITION
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DEFINITION
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E14841/c
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PN JP 1995327700-A/28
PD 19-DEC-1995
PD 19-DEC-1994 JP 1994126163
PI OSHIMA AKIRA, ISHIKO HIROAKI
PC C1201/70,C07721/04,C07K14/075,C12N15/09,C12Q1/68; CC strandedness: Single; CC typotogy: Lineat; CC hypothetical: No; FH Key
FT source
                                                                                                                                                                              AUTHORS
TITLE
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Best Local Similarity
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                                                                                                                                                                                                                                                                                             20 bj PCR primer for detecting M2 mul P450 2C19 gene.
E14841
E14841.1 GI:5709524
JP 1998014555-A/6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14;
20 NG GG S
                                                                                                                  NEW OLIGONUCLECTIDE PRIMER AND EXAMINATION OF POINT MUTATION EXON 4 OF HUMAN CYTOCHROME P450 2C19 GENE USING THE SAME PATENT: JP 1998014585-A 6 20-JAN-1998; S R L:KK
                                                                                                                                                                                                                                                              unidentified
                                                                                                                                                                                                     Kubota, T
                                                                                                                                                                                                                                                                                unidentified
                                                                                                                                                                                                                                           unclassified.
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                                     Artificial sequences
JP 1998014585-A/6
20-JAN-1998
                                                                                               None
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05-JUL-1996 JP 1996195360
KUBOTA TAKAHIRO
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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100.0%; Pred. No.
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8e+02;
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of human
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man cytochrome
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REFERENCE
AUTHORS
TITLE
                                                 RESULT 1424
AR268296/c
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ORGANISM
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E38861/c
              DEFINITION
ACCESSION
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VERSION
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                              artificial sequences.

8 1 (bases 1 to 20)

S Kazuma, T., Hitoshi, Y., Kazumori, H., Mitsuo, O. and Isao, I.

Chimeric animal and method for constructing the same

Patent: JP 199313576-A 11 16-NOV-1999;

KIRIN BREWERY CO LTD

OS Artificial Sequence
PN JP 199313576-A/11
PD 16-NOV-1999
PP 23-MAR-1999 JP 1999078572
PR

KAZUMA TOMIZUKA, HITOSHI YOSHIDA, KAZUNORI HANAOKA, PI PI

PI KAZUMA TOMIZUKA, HITOSHI YOSHIDA, KAZUNORI HANAOKA, PI PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4724 ACCAAGCCCTGAAG 4737
                                                                                                                              1906 GCTCTGCAGAACCT 1919
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Sequence 88
AR268296
AR268296.1
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JP 1999313576-A/11.
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Chimeric animal and method
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                                        AR268296
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topology: Linear;
hypothetical: No;
anti-sense: Yes;
                                                                                                                                                                                                                                                                                       source
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                                                                                                                                                         Conservative
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                         88 from patent
                                                                                                                                                                                                                                                           /organism='Artificial Sequence'...
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                                                                         organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Sequence
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2 (bases 2 to 20)

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Griffals,R., Holseth,S.K., Zagursky,R.J., Metcalf,B.J. Sankaran,B. and Fletcher,L.D.
Chlamydia pneumoniae polynucleotides and uses thereof Patent: US 6559294-A 5228 06-MAY-2003;
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Sequence 5228 from patent
AR314691
AR314691.1 GI:31708117
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/mol_type="genomic DNA"
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Query Match Best Local Similarity

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DB 1; 8e+02;

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AX297370/c
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Sequence 14 from patent US
AR487652
AR487652.1 GI:47252943
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                                                                                                                                                                                                                                                                                                                                          Sequence 2537 from Patent AX117414
                                                                                                                                                                                                                              Picoult-Newburg,L. and Pohl,M.
Genotyping reagents, kits and methods of use thereof
Patent: WO 0129262-A 5537 26-APR-2001;
Orchid BioSciences, Inc. (US)
                                                                                                                                                                                                                                                                                               synthetic construct
synthetic construct
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                                               4498 CCTTCACCTCTGGA 4511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Decristofaro, M.F., Padigaru, M., Miller, C., Tchernev, V., Zhong, H., Zhong, M., Anderson, D., Ballinger, R., Gerlach, V., Spytek, K.A., Rastelli, L., Kekuda, R., Guo, X., Zerhusen, B., Andrew, D., Mezes, P., Patturajan, M., Burgess, C.E., Eisen, A., Wolenc, A., Baumgartner, J., Shimkets, R.A., Gusev, V., Vernet, C.A., Taupier, R.J., Pena, C., Shenoy, S., Li, L., Casman, S., Bolgog, F., Fernandes, B., Smithson, G., Malyankar, U., Taillon, B. and Liu, X.

Novel polypeptides and nucleic acids encoded thereby Patent: WO 02081517-A 445 17-OCT-2002;
Curagen Corporation (US)
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                                                  451 from Patent
                                                                                                                                                                                                                                                                                                                                                                                             sequence"
                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                   621 CTCCAGGAGCTCTT 634
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Novel polypeptides and nucleic acids encoded thereby Patent: WO 02081517-A 451 17-CCT-2002;
Curagen Corporation (US)
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Mammalian osteo regulin.
BD090844
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 20)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rappold, G.A. and Kirsch, S.
Height related gene
Patent: WO 03091381-A 154 06-NOV-2003;
Rappold, Gudrun A. (DE)
Location/Qualifiers
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Sequence 154 from Patent WO03091381
AX937886
                                                    Mus musculus
                                                                                  BD090844.1 GI:22636454
JP 2001321187-A/28.
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PR 15-FRB-2001 JP 01P 039268,16-FRB-2001 JP 01P 040721 PR
30-MAR-2001 JP 01P 101055,12-JUN-2001 JP 01P 177381 PR
25-SRP-2001 JP 01P 290384,02-NOV-2001 JP 01P 338440 PR
03-DRC-2001 JP 01P 368929
PI HIROAKT SAGAMA, ETJI KOBAYASHI,IKUNOSHIN KATO
PC C12Q1/68,C12N15/09,G01N33/50
CC Designed PCR primer to amplify a portion of human CYP2C19 generates the primer of the
                                                                                                                                                                                                                                                                                                                                                                                            artificial sequences.

1 (bases 1 to 20)

RS Sagawa,H., Kobayashi,E. and Kato,I.
Method of detecting nucleotide polymorphism
Patent: WO 20064833-A 25 22-AUG-2002;

TAKARA SHUZO CO LTD,HIROAKI SAGAWA,EIJI KOBAYASHI,IKUNOSHIN KATO
OS Artificial Sequence
PN WO 02064833-A/25
PD 22-AUG-2002
PF 14-FEB-2002 WO 2002JP001222
PF 14-FEB-2001 JP 01P 019260 16 PD 2002JP001222
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PC C12N5/
CC Mammal
FH Key
PT Source
PT
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Mammallan osteo regulin

Patent: JP 2001321187-A 28 20-NOV-2001;

PPIZER PRODUCTS INC

OS Mus musculus (mouse)

PN JP 2001321187-A/28

PD 20-NOV-2001

PF 28-FEB-2001 JP 2001055757

PR 29-FEB-2000 US 60/185617, 22-SEP-2000 US
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PC C12N15/09,A01K67/027,A61K38/00,A61K45/00,A61P3/04,A61P9/10, PC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G01N33/566,G01N33/68//C12P21/08,(C12P21/02,C12R1:91),C12N15/00,
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C C12N1/21,C12N5/10,C12N5/10,C12P21/02,C12Q1/02,C12Q1/68 PC
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C A61P19/00,A61P19/10,A61P43/00,C07K14/47,C07K16/18,C12N1/15,
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                                                                                    /organism='Artificial
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                                               1 (bases 1 to 18)
Stinchcomb,D.T. and McSwiggen,J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 953 15-SEP-1998;
Location/Qualifiers
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Sugimoto,Y., Ihara,N. and Mizoshita,K.
Direct Submission
Submitted (04-MAR-2004) Yoshikazu Sugimoto, Shirakawa Institute of Animal Genetics, Odakura, Nishigo, Nishi-shirakawa, Pukushima 961-8061, Japan (B-mail:kazusugi@siag.or.jp, Tel:81-248-25-5641, Pax:81-248-25-5725)
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Sequence 953 from patent US 5807743.
AR040105
AR040105.1 GI:5959468
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/mol_type="unassigned DNA"
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(ABZ00010-ABZ00152) each having 50 base pairs (pp). The system is used for leukocyte expression profiling. It is particularly useful for diagnosing a disease, monitoring (rate of) progression of a disease, predicting therapeutic outcome, determining prognosis for a patient, predicting disease complications in an individual or monitoring respondence.	ed DNA molecules ponds to any of 8	system for detecti	, comprises dragno	New system for leukocyte expression profiling, diagnosing a disease, or monitoring the rate of) progression of a disease, e.g. atherosclerosis		mous T, Johnson F;	Altman P,		יסיסי	6.					rheumatoid arthritis; osteoarthritis; cytomegalovirus; infection; probe;	ion profiling; allogra	gene expression profiling probe SEQ			BP.		ALIGNMENTS		AAV95047	ADF44236 AAA64532	ABD24270 ADC84334	ABZ88040	ABZ86076 ABD22306	ACC45203	AAT09138 AAT63656	AAT09139	AAT27908	AAL47122	ADO61414 ADO85851	AD016729	ADX79204 ADX00177
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Query Match 0.9%; Sometime 0.0%; Sest Local Similarity 100.0%; Matches 50; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New system for leukocyte expression profiling, diagnosing a disease, or monitoring (the rate of) progression of a disease, e.g. atherosclerosis or congestive heart failure, comprises diagnostic oligonucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a system for detecting gene expression, which
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human leukocyte gene expression profiling probe SEQ ID NO 3210.
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                                                                                                                         Sequence 50
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atherosclerosis; congestive heart failure; systemic lupus eryt
rheumatoid arthritis; osteoarthritis; cytomegalovirus; infecti
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08-JUN-2001; 2001US-0296764P.
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XC ADP1
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DT 12-A
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DT 12-A
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DT 50-E
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DT 50-E
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                                                                                                                                                                                                                                                                                                                                                                                 Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a system for detecting gene expression, which comprises one or two isolated DNA molecules that detect expression of a gene, where the gene corresponds to any of 8143 oligonucleotides (ABZ00010-ABZ08152) each having 50 base pairs (bp). The system is useful for leukocyte expression profiling. It is particularly useful for diagnosing a disease, monitoring (rate of) progression of a disease, predicting therapeutic outcome, determining prognosis for a patient, predicting disease complications in an individual or monitoring response to treatment in an individual. The diseases include cardiac allograft rejection, kidney allograft rejection, liver allograft rejection, atherosclerosis, congestive heart failure, systemic lupus exythematosus, the prognession of the systemic lupus exythematosus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New system for leukocyte expression profiling, diagnosing a disease, or monitoring (the rate of) progression of a disease, e.g. atherosclerosis or congestive heart failure, comprises diagnostic oligonucleotides.
                               transplant rejection; immune system; rheumatoid arthritis; inflammatory bowel disease; multiple sclerosis; HIV; AIDS;
                                                                            50-mer oligonucleotide marker probe of the invention #326.
                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-636525/68.
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08-JUN-2001; 2001US-0296764P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T7; leukocyte; gene expression profiling; allograft rejection; atherosclerosis; congestive heart failure; systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis; cytomegalovirus; infection; probe;
                                                                                                                                                                        ADP10317 standard;
                                                                                                                                                                                                                                                                                                                                                                                                           rheumatoid arthritis, osteoarthritis or cytomegalovirus infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human leukocyte gene expression profiling probe SEQ ID NO 7915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BIOC-) BIOCARDIA INC.
                                                                                                                                                                                                                                                                                     5131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Page 583; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Woodward
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                                                                                                                                                                         DNA; 50
                                                                                                                                                                                                                                                                                                                                                                               A; 9 C;
                                                                                                           entry)
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                                                                                                                                                                                                                                                                                                                                                                               18 G; 11 T;
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                                                                                                                                                                                                                                                                                                                                 Score 50;
Pred. No.
                                                                                                                                                                                                                                                                                                                   Mismatches
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, Johnson
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                                                                                                                                                                                                                                                                                                                                 DB 1;
0.0061;
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                                                                                                                                                                                                                                                                                                                                                                               0 Other;
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AAL47120
ID AAL4
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              transplant rejection, e.g. heart, kidney, liver, pancreas, pancreatic islet, lung, bone marrow or stem cell transplant rejection, xenotransplant rejection or mechanical organ replacement rejection, in an individual. The method is also useful in assessing the immune status of an individual. The methods are also useful in diagnosing and monitoring diseases that involve the immune system, e.g. rheumatoid arthritis, lupus, inflammatory bowel diseases, multiple sclerosis, HIV/AIDS or viral, bacterial or fungal infection. The present sequence represents a 50 mer oligonucleotide marker for diagnosis and monitoring of allograft rejection and other disorders.
                                                                                                                                                                       Pyrin domain; PYD domain; antiinflammatory; antiparkinsonian; antiarteriosclerotic; antipsoriatic; antibacterial; virucide; neuroprotective; antiarthritic; antirheumatic; antiasthmatic; nephrotropic; osteopathic; nootropic; intracellular signal transduction; inflammation; Alzheimer's disease; infection; psoriasis; asthma; arteriosclerosis; multiple sclerosis; rheumatoid arthritis; sarcoidosis; osteoarthritis; glomerulonephritis; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to diagnosing or monitoring transplant rejection, e.g. cardiac or kidney transplant rejection, in an individual comprises detecting the expression level of one or more genes. The methods, system and kits are useful in diagnosing or monitoring
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAL47120 standard; DNA; 39 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-APR-2002;
20-DEC-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                              domain containing protein coding sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 326; 1762pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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2002US-00325899.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <u>.</u>
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Pred. No.
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0.0061;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 50
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Page 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local
                                                                                                                                                                                                                                                                 Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming (EB4-11ke apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                 19-SEP-2002; 2002WO-US029664.
                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                 Human NAC probe SEQ ID
                                                                                                                                                                                                                                                                                                                                                           16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                              ACC45146 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 BP; 3 A; 11 C; 16 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and pneumonia), multiple sclerosis, rheumatoid arthritis, asthma, sarcoidosis, glomerulonephritis and osteoarthritis, and also Alzheimer's and Parkinson's diseases. The present sequence is a PCR primer used to isolate a coding sequence of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the proteins contain at least one PYD (pyrin) domain. These can be used to treat diseases associated with impaired intracellular signal transduction, particularly inflammation such as psoriasis, arteriosclerosis, bacterial or viral infections (particularly meningitis)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example; Page 49; 116pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New DNA encoding protein with pyrin domain, useful for treating diseases involving impaired signal transduction, particularly inflammation, also
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New antisense compounds, useful for modulating the expression of NAC
                          WPI; 2003-354583/33.
                                                                                                        19-SEP-2001; 2001US-00956712
                                                                                                                                                                                     WO2003024988-A1
                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates the DNA and their encoded proteins,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (APOT-) APOTECH RES & DEV LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        523 ATGGCTGGCGAGCCTGGGCCTGGCCTGTTACTTG 561
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                      17p13; probe;
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                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                              PHARM INC.
                                                    Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                DNA;
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cc targeted to a nucleic acid molecule encoding NAC, where the compound compectifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with the nucleic acid molecule encoding NAC and a reason and encoding NAC. Also described: (1) a composition comprising (I) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with (I); and (3) treating an animal having a disease or condition associated with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antisense compounds (I) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for disgnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC tumour formation. NAC is also known as a death effector filament-forming CDM1-like apoptosis protein (DEFCAP). NAC is located on human chromosome 17913. The present sequence represents a probe for human NAC, which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
                                                               The present sequence represents a probe
in an example from the present invention
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ALL47122/c

ID AAL47122 standard; DNA; 30

XX

AC AAL47122;

XX

C2 AAL47122;

XX

Pyrin domain containing pux

XX

Pyrin domain; PYD domain;

XW

RW

Reprotropic; osteopathic;

XW

Inflammation; Alzheimer's

XW

Arteriosclerosis; multiple

XW

Voidentified.

XX

Vnidentified.

XX

PD

23-MAY-2002.

XX

PD

23-MAY-2002.

XX

PD

23-MAY-2002.

XX

PD

30-OCT-2001; 2001WO-EP012:

XX

PS

PR

30-NOV-2000; 2000DE-01059:

PR

30-NOV-2000; 2000DE-01059:

PR

XX

15-NOV-2000; 2000DE-01059:

PR

XX

(APOT-) APOTECH RES & DEV

XX

PD

TSChopp J, Martinon F;

XX

WFI; 2002-427093/45.
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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Pyrin domain; PYD domain; antiinflammatory; antiparkinsonian; antiarteriosclerotic; antipsoriatic; antibacterial; virucide; neuroprotective; antiarthritic; antirheumatic; antiarthmatic; nephrotropic; steeppathic; nootropic; intracellular signal transduction; inflammation; Alzheimer's disease; infection; psoriasis; asthma; arteriosclerosis; multiple sclerosis; rheumatoid arthritis; sarcoidosis;

Pyrin domain containing protein coding sequence PCR primer JT1500.

(first entry)

osteoarthritis; glomerulonephritis; PCR; primer; ss.

15-NOV-2000; 2000DE-01056687. 30-NOV-2000; 2000DE-01059595.

30-OCT-2001; 2001WO-EP012545

(APOT-) APOTECH RES & DEV LTD

밁 ঠ

Sequence 33

BP; 10 A; 10 C;

6 G; 7 T; 0 U; 0 Other;

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RRESULT 9
AAZ4450
AID AAZ44
XX AAZ4
AX AAZ4
AX Ribo
AX Ribo
KW Ribo
KW Gamm
KW Gam
KW Gamm
KW 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ribozyme; presenilin 2; presenilinase; presenilin 1; neuronal cell death; amyloid beta deposition; amyloid plaque; autoproteolytical cleavage; gamma-secretase; neurodegenerative disease; Alzheimer's disease; familiar Alzheimer's disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and pneumonia), multiple sclerosis, rheumatoid arthritis, asthma, sarcoidosis, glomerulonephritis and osteoarthritis, and also Alzheimer's and Parkinson's diseases. The present sequence is a PCR primer used to
                     New agents capable of inhibiting presenilin expression useful for treating neurodegenerative diseases especially familial Alzheimer's
                                                                                                                                                                                                                                                                09-JUL-1998;
25-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                08-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   misc_binding
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nucleotide sequence of a general hammerhead ribozyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-APR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ45963;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAZ45963 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example;
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                                                                                                       WPI; 2000-147613/13.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             isolate a coding sequence of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New DNA encoding protein with pyrin domain, useful for treating diseases involving impaired signal transduction, particularly inflammation, also proteins and antibodies.
                                                                                                                                                                                                            (BOEH ) BOEHRINGER INGELHEIM PHARMA KG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30 BP; 6 A; 5 C; 11 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Page 49; 116pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTCCTGCCACTCAGCAGCTGAAGTATCAAC 1
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                                                                                                                                                                                                                                                                98EP-00112653,
99US-0126200P.
                                                                                                                                                                                                                                                                                                                                             99WO-EP004804.
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/note= "these nucleotides bind
ribozyme given in AAZ45964"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the ribozyme
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/note= "these nucleotides bind t
the ribozyme given in AAZ45964"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleotides
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RESULT 10
AAZ45800
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Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ribozyme; presenilin 2; presenilinase; presenilin 1; neuronal cell death; amyloid beta deposition; amyloid plaque; autoproteolytical cleavage; gamma-secretase; neurodegenerative disease; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 32 BP; 8 A; 3 C; 7 G; 0 T; 13 U; 1 Other;
Identifying presenilin inhibitors useful for treating neurodegenerative diseases such as familiar Alzheimer's disease, comprises measuring full length presenilin in cells.
                                                                                                                                                                                 08-JUL-1999;
                                                                                                                                                                                                                                             WO200003248-A1.
                                                                                                                                                                                                                                                                                                                  misc_binding
                                                                                                                                                                                                                                                                                                                                                                               misc_binding
                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleotide
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                                                                                                                                                   09-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                Key
                                                                                           Fechteler
                                                                                                                                                                                                                                                                                                                                                                                                                                                         familiar Alzheimer's
                                                                                                                     (BOEH ) BOEHRINGER INGELHEIM PHARMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5297
                                                             2000-147662/13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGTATCACAGCTCTTTTAGAATTTGTCTAGC 5327
                                                                                         7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence of a general hammerhead ribozyme
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                         Haass C,
                                                                                                                                                     98EP-00112688
                                                                                                                                                                                  99WO-EP004805
                                                                                                                                                                                                                                                                 /*tag= b
/note= "these nucleotides bind
~ihozvme given in AAZ45801"
                                                                                                                                                                                                                                                                                                                   /*tag= a
/note= "these nucleotides bind to nucleotides
the ribozyme given in AAZ45801"
15. .26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            disease;
                                                                                           Steiner H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12; Mismatches
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Pred. No. 3
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                                                                                                                                                                                                                                                                                         nucleotides
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Disclosure; Fig la; 91pp; English.

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Best Local S
Matches 15
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             Diagnosing or monitoring transplant rejection, e.g. heart, kidney, liver, pancreas, pancreatic islet, lung, bone marrow or stem cell transplant rejection, in an individual, comprises detecting the expression level of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Taqman probe set 2 #242.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADP12384;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADP12384 standard; DNA; 25
                                                                                          WPI; 2004-400724/37.
                                                                                                                                                                                                                      24-APR-2002; 2002US-00131831.
20-DEC-2002; 2002US-00325899.
                                                                                                                                                                                                                                                                              24-APR-2003; 2003WO-US012946.
                                                                                                                                                                                                                                                                                                                   21-MAY-2004
                                                                                                                                                                                                                                                                                                                                                        WO2004042346-A2
                                                                                                                                                                                                                                                                                                                                                                                                                              transplant rejection; immune system; rheumatoid arthritis; inflammatory bowel disease; multiple sclerosis; HIV; AIDS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 32 BP; 8
                                                                                                                         Rosenberg S;
                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                   (EXPR-) EXPRESSION DIAGNOSTICS INC.
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                                                                                                                                               Pry K,
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Pred. No. 3
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                                                                                                                                               Morris M;
                                                                                                                                                                                                                                                                                                                                                                                                                                               lupus;
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Claim 58;

SEQ ID NO

2393; 1762pp; English

Sequence 33

BP;

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ARE29153/c
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XX Small
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PA (DENK-
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Best Local
                                                                                        This invention relates to a kit for the detection and typing of small round structured virus (SRSV) strains. The kit contains antibodies directed against peptides represented in sequences AAB49700 - AAB49710, which are each SRSV strain specific. Polymucleotide sequences AAP20141 AAP20151 represent cDNA encoding the strain specific proteins. The kit used for detecting and typing strains of SRSV in order to prevent the spread of infection and to examine the epidemiology of outbreaks. PCR primers AAP29152 - AAP29163 are used to amplify SRSV strain specific cD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kit for the detection and strains for investigation
                                                                                                                                                                                                                                                                                                                                                                               Example 1; Page 75; 84pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Takeda N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-JUN-2000; 2000WO-JP004095
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Small round structured virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Small round structured virus; SRSV; food poisoning; PCR primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer SEQ ID 24 used to amplify SRSV specific cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAF29153;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAF29153 standard; DNA; 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 25 BP; 10 A; 8 C; 6 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (DENK-) DENKA SBIKEN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Natori K,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           typing of small round-structured virus of food poisoning outbreaks, contains
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Pred. No.
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                                                 CC inhibits the expression of NAC. The compound specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (1) a composition comprising (1) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with CC (1); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (1) to the animal so that expression of CC NAC is inhibited. (1) has cytostatic, nootropic, neuroprotective and CC antisense compounds (1) are useful for modulating the expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease or condition associated with expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease CC and prophylaxis, e.g. to prevent or delay infection, inflammation or CC useful as research reagents and kits, or for diagnostics, therapeutics CC CED4-like apoptosis protein (DEFCAP). NAC is located on human chromosome CC is used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         targeted to a nucleic acid molecule encoding NAC, where the compound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a compound (I) 8-50 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 13; Page 73; 147pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of , e.g. hyperproliferative disease or neurological disease.
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Pred. No. 6
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Matches 26
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Best Local Similarity
Matches 23; Conserv
                                                                                                                                             The present invention relates to a method of detecting a kidney disease, which comprises screening a mammalian urine sample for expression of a specific gene that is present in the urine sample only when cells indicating kidney disease are present, where the concentration of detectable albumin in the urine sample has a range of 0.30 mg/dl. The method is useful for detecting or diagnosing a kidney disease or disorders associated with e.g. glomerulonephritis, nephritic syndrome, diabetes, lupus, hypertension, acute tubular necrosis, renal obstructive diabetes, renal cancers, and other disease or symptoms. The podocyte gene for nephrin or the proximal tubular cell gene for Indian hedgehog is useful as selectable markers for a kidney disease. The present sequence is a PCR primer used to detect the human beta-actin gene
                                                                                                                                                                                                                                                                                                                                                                              Detecting or diagnosing a kidney disease, e.g. renal cancer or glomerulonephritis, comprises determining the presence of expression of podocyte gene for nephrin or proximal tubular cell gene for Indian hedgehog in a urine sample.
                                                                                                                       Sequence 32 BP; 2 A; 0 C; 1 G; 29 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; urine sample analysis; kidney disease; glomerulonephritis; nephrotic syndrome; diabetes; lupus; hypertension; beta-actin; acute tubular necrosis; renal cancer; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                    Claim 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-833515/77
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AAN70278/c
ID AAN702
XX
AC AAN702
XX
DT 03-OCT
DT 26-MAY
XX
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                                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                                                                             The invention describes a method of typing (MI) a gene (I) that has one or more polymorphic microsatellite loci (PML). The method comprises: PCR amplification of at least one DNA region of (I) that includes PML, using as template a DNA sample containing at least one segment of (I); and determining the length of the resulting amplicon(s). Also described are: a method of determining (M2) microsatellite markers (MM) for predisposition to a disease, associated with a gene that includes one or more PML, and prediagnosis (M3) of diseases associated with gene that include PML. The method is used to identify microsatellite markers, in a disease related gene, that are associated with a predisposition to diseases and for prediagnosis of such diseases, especially prion diseases but also cystic fibrosis, malignant hyperthermia syndrome in pigs and metabolic diseases; also to type genes that encode milk proteins, formation or transcription factors. The method is simpler, quicker and particularly less expensive than known methods based on sequencing. This sequence represents a primer used to genotype a region of the cow prion protein (PrP) comprising a polymorphic microsatellite locus.
                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 25
                    03-OCT-2002
26-MAY-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Typing genes that contain polymorphic microsatellite loci, useful for identifying predisposition to disease, by amplification and determining length of amplicons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gene typing; polymorphic microsatellite loci; PML; disease predisposition; microsatellite marker; prion disease; cystic fibrosis; malignant hyperthermia syndrome; metabolic disease; milk protein; hormone; transcription factor; pT7-blue-vector; cow;
                                                                     AAN70278;
                                                                                                    AAN70278 standard;
                                                                                                                                                                                                                                                                                                                     Sequence 31 BP; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-215730/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-AUG-2002; 2002DE-01036711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-AUG-2002; 2002DE-01036711.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DE10236711-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bos taurus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            microsatellite;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cow prion protein microsatellite locus primer #82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADO81070;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYHO-) UNIV HOHENHEIM.
                                                                                                                                                                                                                  5393 AAAAAATACAAAAAGAAAAATGAAAA 5421
                                                                                                                                                                                     30
                                                                                                                                                                                                                                                                   0.4%;
Similarity 86.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3; Page 28; 64pp; German.
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                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                   (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Preuse S,
                                                                                                                                                                                                                                                                                                                     A; 3
                                                                                                     DNA; 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             primer; 88
                                                                                                                                                                                                                                                                                                                     o
(;
                                                                                                     ВÞ
                                                                                                                                                                                                                                                                                                                     G; 28 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                                                    Score 22.6;
Pred. No. 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ۲
                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                      85;
                                                                                                                                                                                                                                                                                    DB 1; Length 31;
                                                                                                                                                                                                                                                   4;
                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                                   Gaps
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RESULT 17
AAN92244/c
ID AAN922
XX AAN922
XX AAN922
XX 25-MAR
DT 25-APR
DT 25-APR
XX Probe
XX Probe
XX Probe
XX Probe
XX Synthe
EH Key
FT misc_f
FT misc_f
FT misc_f
FT misc_f
FT misc_f
                                                                                                                                                                                                                                                                                                                                                                  8
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                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 26; Conserv
                                                                                                                                                                                                                    25-MAR-2003
31-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent claims a new molecule of formula (NA1---S---NA2)n. NA1 and NA2 are noncomplementary nucleic acid sequences; --S--- a scissile linkage; n= 1 or 1,000, which is used for the detection of specific DNA or RNA sequences in a test soln. The scissile link probes may be PL (Permanent Linkage to Solid Support) or HL (Hydrolysable Linkage to Solid Support). The differential liability of DNA and RNA may be exploited in a heterogenous system when the scissile linkage is an RNA molecule. In the examples, counter probe molecules 9 through 16 were used to determine suitable hybridisation conditions. (Updated on 03-OCT-2002 to add missing
                                                      misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hybridisation;
                                                                                          misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 32 BP; 0 A; 0 C; 0 G; 24 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic nucleic acid probes linked by a scissile linkage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence of scissile link probe MRC068 (HL).
                      misc_feature
                                                                                                                                 Synthetic
                                                                                                                                                           Probe MRCO68; solid support; ribonuclease
                                                                                                                                                                                                           25-APR-1990
                                                                                                                                                                                                                                                         AAN92244;
                                                                                                                                                                                                                                                                                 AAN92244 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example; p29; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-DEC-1985;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-DEC-1986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-JUL-1987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MBIO-) MBIOGENICS INC.
                                                                                                                                                                                 probe MRCO68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    field.)
                                                                                                                                                                                                                                                                                                                                                                      5393
                                                                                                                                                                                                                                                                                                                                              32 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
                                                                                                                                                                                                                                                                                                                                                               AAAAAATACAAAAAAGAAAAAATGAAAATAA 5424
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                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                           (first
                                                                                                                                                                                                                    (revised)
     /-rag= b
/note= "ribonucleotides."
23. .32
/*tag= c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          85US-00805279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86EP-00116906
                                                                                                          Location/Qualifiers
 /note= "deoxyribonucleotides."
                                                                                                                                                                                                                                                                                 DNA;
                                                                                                                                                                                                                                                                                                                                                                                                       0.4%;
                                                                                                                                                                                                          entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Crosby W,
                                                                        a
"deoxyribonucleotides."
                                                                                                                                                                                                                                                                                  32
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                                                                                                                                                                                                                                                                                                                                                                                                        Score 22.4;
Pred. No. 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Robertson
                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          comprising two nucleic acid sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                    Length 32;
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                                                                                                                                                                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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RESULT 18
ADC33445/c
ID ADC33445 standard; DNA; 32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Probe MRC068 is bound by a hydrolysable linkage to a solid support at its 3' end. It is used by reacting excess probe with a target nucleic acid; nicking hybridised probe at least once within a predetermined sequence to form 2 or more probe fragments hybridised to the target sequence, which results in the probe fragments becoming hybridised to another probe; and identifying probe fragments, so detecting the target sequence. The probe can react with target sequence to complete a cycling sequence. Using this system, sensitivity of 10 exp. -19 to 10 exp. -20 molecules of target can be obtd. The probe is cleavable at the ribonucleotides by a ds RNase, eg RNase H or ExoIII. (Updated on 31-OCT-2002 to add missing OS field.)
                                                                                             21-FEB-2002; 2002US-0359223P.
08-MAY-2002; 2002US-0379360P.
                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 32 BP; 0 A; 0 C; 0 G; 24 T; 8 U; 0 Other;
 Detecting
                        WPI; 2003-712717/67.
                                                                                                                                20-FEB-2003; 2003WO-US005301
                                                                                                                                                                               WO2003072721-A2
                                                                                                                                                                                                                             Binding; tandem
                                                                                                                                                                                                                                                                           18-DEC-2003
                                                                                                                                                                                                                                                                                                   ADC33445;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 24; 34pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1989-339977/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Duck
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-APR-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-APR-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-NOV-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO8910415-A
                                                                       (DISC-) DISCOVERX INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MEIO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
nes 26; Conser
                                                                                                                                                                                                                                                                                                                                                                                                          5393
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                                                                                                                                                                                                                                                                                                                                                                                    32
                                                Ullman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ng target nucleic acid molecules acid probes and nicking to compl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEIOGENICS
                                                                                                                                                                                                                                                    oligonucleotide #SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                         АЛАЛАЛАТАСАЛАЛАЛАБАЛАЛАТБАЛАТА 5424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bender R;
                                                                                                                                                                                                                                                                                                                                                                                    AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1
a label comprising employing (as the label)
                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                            (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88US-00187814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88US-00187814.
                                                                                                                                                                                                                             repeat; label; analyte detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INC
                                                                                                                                                                                                                                                                           entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                            0.4%;
                                                                                                                                                                                                                                                                                                                           ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to complete
                                                                                                                                                                                                                                                                                                                                                                                                                                            22.4; I
No. 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      using excess
te a cycling s
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                                                                                                                                                                                                                                                                                                                                                                                                                                 6
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  рJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    complementary
                                                                                                                                                                                                                                                                                                                                                                                                                                                          32
  reagent
                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                 0
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3' extendable terminus combination with a DNA replicating the tandem
Example;
SEQ ID NO 2;
                                 s hybridized (A polymerase an repeat.
38pp; English.
                                                   to a tandem repeat template in and dNTPs necessary for repetitively
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The invention relates to a method for detecting a label, comprising employing (as the label) a reagent having a 3' extendable terminus hybridised to a tandem repeat template in combination with a DNA polymerase and dNTPs necessary for repetitively replicating the tandem repeat. The method involves detecting a binding event between first and second binding members, employing a label to determine the occurrence of the binding event. The tandem repeating units are polyT. The method of the invention is useful in detecting an analyte using repetitive extension along a tandem repeat. The extended nucleic acid may be used for detecting a moiety, particularly involved in a binding event employing a reagent. The current sequence represents a template member oligonucleotide containing a polyT tandem repeat that binds to the extendable oligonucleotide given in ADC33444.

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Query Match
Best Local Similarity
Matches 26; Conserv
         0.4%;
; Score 22.4; Di
; Pred. No. 92;
0; Mismatches
                        В
                       Length 32;
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Sequence 32 BP; 0 A; 0 C; 0 G; 32 T; 0 U; 0 Other;

5393 AAAAAAATACAAAAAAAAAAAATGAAAAATAA 5424 Conservative 6 Indels 0 Gaps 0

밁

32

8

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RESULT 19
ACC45145 E
ACC45145 E
XX
ACC45145;
XC
ACC45145;
ACC45145;
ACC45145;
ACC45145;
ACC45145;
ACC45146;
ACC46146;
ACC45146;
ACC4514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NAC reverse PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID
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Human, cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apop death effector filament forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation; PCR primer; 88 apoptosis;

sapiens.

chromosome 17pl3;

WO2003024988-A1

27-MAR-2003

19-SEP-2002; 2002WO-US029664.

19-SEP-2001; 2001US-00956712

ISIS

PHARM INC

ÇĘ, Freier

2003-354583/33.

antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease. e E ç

Example 13; Page 73; 147pp; English.

The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and

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RESULT 20
AAD02769/c
ID AAD02769 standard; DNA; 30 BP.
XX
AC AAD02769;
XX
DE Human NAC cDNA amplifying revers
XX
DE Human NAC cDNA amplifying revers
XX
Caspase-associated recruitment of
XW
Cystelne aspartyl protease; apog
Cytokine receptor signalling; th
XW
Cytokine receptor signalling; th
XW
Cytokine aspartyl protease; apog
XW
Cytokine receptor signalling; th
XW
COS Homo sapiens.
XX
PN
W0200116170-A2.
XX
PN
W0200116170-A2.
XX
PN
V0200116170-A2.
XX
PN
V02001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; NB domain; nucleotide binding domain; NB-ARC and CARD; NAC; caspase-associated recruitment domain; CARD; TIM-Barrel-like domain; cysteine aspartyl protease; apoptosis; cytokine production; cytokine receptor signalling; therapy; inflammatory disorder; sepsis; fibrosis; arthritis; cancer; adenocarcinoma; leukaemia; primer; ss.
                                                                                                                                                                                                                                                                                         Novel nucleic acid encoding NB-ARC and caspase associated recruitment domains, used to produce polypeptides for screening for modulators of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22 BP; 4 A; 8 C; 3 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1531 GGAATTGGGAAGTCAACACTGG 1552
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97;
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The present sequence is a reverse set 2 primer used for amplifying NB-ARC and CARD containing protein (NAC) cDNA. NAC beta isoform represents the NAC splice variant in which both the splice regions present in the translated polypeptide. NAC protein comprises a nucl

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Best Local Similarity
Matches 22; Conser
The present sequence is a forward set 2 primer used for amplifying human NB-ARC and CARD containing protein (NAC) cDNA. NAC beta isoform represents the NAC splice variant in which both the splice regions are present in the translated polypeptide. NAC protein comprises a nucleotide binding (NB) domain (also referred as NB-ARC domain), a caspase-associated recruitment domain (CARD) and a TM-Barrel-like domain. The caspases, cysteine aspartyl proteases, are principal effectors of apoptosis. CARD containing NAC proteins are used for screening modulators that modulates apoptosis, cytokine production, cytokine receptor signalling and other cellular processes. NAC can act as an immunogen for the production of polyclonal and monoclonal antibodies. It can also be used to diagnose and treat inflammatory disorders such as sepsis, fibrosis and arthritis and cancer pathologies such as adenocarcinomas and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        associated recruitment domain (CARD) and a TIM-Barrel-like domain. The caspases, cysteine aspartyl proteases, are principal effectors of apportosis. CARD containing NAC proteins are used for screening modulators that modulates apoptosis, cytokine production, cytokine receptor signalling and other cellular processes. NAC can act as an immunogen for the production of polyclonal and monoclonal antibodies. It can also be used to diagnose and treat inflammatory disorders such as sepsis, fibrosis and arthritis and cancer pathologies such as adenocarcinomas and the production of polyclonal sections are sepsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cysteine aspartyl protease; apoptosis; cytokine production; cytokine receptor signalling; therapy; inflammatory disorder; sepsis; fibrosis; arthritis; cancer; adenocarcinoma; leukaemia; primer; ss.
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                                                                                                                                                                                                                                                                                                                  apoptosis.
                                                                                                                                                                                                                                                                                                                                    Novel nucleic acid encoding NB-ARC and caspase associated recruitment domains, used to produce polypeptides for screening for modulators of
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-183258/18.
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Pred. No.
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RESULT 22
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Matches 22
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                                                                                                                                                                                                                                                                                                                                 New system for leukocyte expression profiling, diagnosing a disease, or monitoring (the rate of) progression of a disease, e.g. atherosclerosis or congestive heart failure, comprises diagnostic oligonucleotides.
                                                                                               Sequence
                                                                                                                        rejection, kidney allograft rejection, liver allograft rejection, atherosclerosis, congestive heart failure, systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis or cytomegalovirus infection
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Ly N, Woodward
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08-JUN-2001; 2001US-0296764P.
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5169 TCACAGGGTGAGCCCCAAAATTGGGGTTCAGCGTGGGA 5206
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C, Johnson
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RESULT 23
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RESULT 24
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                                                                                                                                                                                                                                                                                                                                             TCCCACGCTGAACCCCCAATTTTGGGGGCTCACCCCTGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 9 A; 11 C; 20 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                   DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA; 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Quertermous T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.4%;
                                                                                                                                                       28
                                                                                                                                                       BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 22; DB 1
Pred. No. 1.2e+
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Altman P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ
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RESULT 25
ADG75972/c
ID ADG75972 standard; DNA; 28 BI
XX
AC ADG75972;
XX
DT 11-MAR-2004 (first entry)
XX
DE Immunostimulatory non-CpG pho
XX
DE Immunostimulatory non-CpG pho
XX
DE Immunostimulatory non-CpG pho
XX
Chronic myelogenous leukaemic
KW plasmacytoid dendritic cell;
KW chronic myelogenous leukaemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 24; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              contain a non-palindromic sequence motif. Specifically, it refers to DNA oligonuclectides (without a CpG motif), which can stimulate an immune response in animals of the order of primate, including humans. The immune response is characterised by the proliferation, differentiation, cytokine and antibody production in B-cells, as well as cell differentiation and cytokine production in plasmacytoid demodritic cells. The present invention describes immunomodulator compositions that also comprise an antigen selected from, for example, viruses, bacteria, parasites, tumour cells and glycolipids. As such, these DNA oligos can be used in gene therapy for inducing B-cell activation, treating, preventing or ameliorating an immune system disorder or a tumoural disease including chronic myelogenous leukaemia, melanoma, Kaposi's sarcoma, and renal cell carcinoma. This oligonucleotide sequence is a non-CpG DNA oligo of the
    se; non-CpG; immunostimulatory; non-palindromic; immune response;
proliferation; differentiation; cytokine; antibody production; B-cell;
plasmacytoid dendritic cell; immunomodulator; gene therapy;
chronic myelogenous leukaemia; melanoma; Kaposi's sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New immunostimulatory oligonucleotide comprising non-palindromic nucleic acid sequence motif, useful for inducing B-cell activation, treating, preventing or ameliorating immune system disorder or tumoral disease e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88; non-CpG; immunostimulatory; non-palindromic; immune response; proliferation; differentiation; cyrokine; antibody production; B-plasmacytoid dendritic cell; immunomodulator; gene therapy; chronic myelogenous leukaemia; melanoma; Kaposi's sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 17; Page 82; 139pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-053333/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-MAY-2002; 2002CA-02388049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-MAY-2003; 2003WO-EP005691.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Non-CpG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (IMMU-) IMMUNOTECH SA.
                                                                                                                                                                                                                                                                                                                                                      5394 АЛААЛАТАСААЛААДАЛАЛАТДАЛА 5421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention relates to
                                                                                                                                                                                                                                                                                                                    28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA oligonucleotide
                                                                                                                                                                                                                                                                                                                    AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP; 1 A; 1 C; 1 G; 25 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                               0.4%;
                                                                                                 phosphorothicate
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                                                                                                                                                                                                                    ВP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61
                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. 1.26
); Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                   Score 21.6;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                   .2e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
                                                                                                 DNA oligo
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          oligonucleotides that
                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B-cell;
                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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ARBSULT 26
ARD02770
ID ARD022
XX ARD02
XX ARD02
XX ARD02
XX ARD02
XX Human
XX Human
XX Human
XX Human
XX Gyste
KW Caspae
KW Cyste
KW Cyste
KW fibro
XX Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC contain a non-palindromic sequence motif. Specifically, it refers to DNA CC oligonuclectides (without a CpG motif), which can stimulate an immune CC response in animals of the order of primate, including humans. The immune CC response is characterised by the proliferation, differentiation, cytokine and antibody production in B-cells, as well as cell differentiation and CC cytokine production in plasmacycoid dendritic cells. The present CC invention describes immunomodulator compositions that also comprise an antigen selected from, for example, viruses, bacteria, parasites, tumour CC cells and glycolipids. As such, these DNA oligos can be used in gene CC therapy for inducing B-cell activation, treating, preventing or ameliorating an immune system disorder or a tumoural disease including chronic myelogenous leukaemia, melanoma, Kaposi's sarcoma, and renal cell CC chronic myelogenous leukaemia, melanoma, Kaposi's sarcoma, and renal cell CC carcinoma. This oligonucleotide sequence is an immunostimulatory phosphorothioate mon-cpG variant DNA oligo, used to determine the effect of oligo size on B cell proliferation and IL6 secretion in an CC exemplification of the invention. NOTE: This sequence is referred to as SeqID 77 in example 5 of the specification, this differs from that given CC as SeqID 77 in claim 14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                              Human; NB domain; nucleotide binding domain; NB-ARC and CARD; NAC; caspase-associated recruitment domain; CARD; TIM-Barrel-like domain; cystedine asparty protease; apoptosis; cytokine production; cytokine receptor signalling; therapy; inflammatory disorder; sepsis;
                                                                                                                                                                     Human NAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 BP; 1 A; 1 C; 1 G; 25 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New immunostimulatory oligonucleotide comprising non-palindromic nucleic acid sequence motif, useful for inducing B-cell activation, treating, preventing or ameliorating immune system disorder or tumoral disease e.g.
                                                                                                                                                                                                            31-MAY-2001
                                                                                                                                                                                                                                                                                             AAD02770 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention relates to novel immunostimulatory oligonucleotides that contain a non-palindromic sequence motif. Specifically, it refers to DN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 5; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-053333/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-MAY-2002; 2002CA-02388049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-MAY-2003; 2003WO-EP005691.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            renal cell carcinoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (IMMU-) IMMUNOTECH SA
                                                                                                                                                                                                                                                                                                                                                                                                                                         5394 AAAAAATACAAAAAAGAAAAAATGAAAA 5421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                AAAAAAAAAAAAAAACAAAATGAAAA
                                                                                                                                                                 cDNA amplifying forward set 3 primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          70; 139pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.4%;
                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                               ₽₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 21.6;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .2e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
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Gaps

٠<u>,</u>

Homo sapiens

fibrosis;

arthritis; cancer; adenocarcinoma; leukaemia;

primer;

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ARESULT 27
ARAL47144
ID ARAL47
XX AAL47
XX AAL47
XX Pyrin
XX Pyrin
XX Pyrin
XX Pyrin
XX neuro
XX neuro
XX infer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       문
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NB-ARC and CARD containing protein (NAC) CDNA. NAC beta isoform represents the NAC splice variant in which both the splice regions are present in the translated polypeptide. NAC protein comprises a nucleotide binding (NB) domain (also referred as NB-ARC domain), a caspase-sassociated recruitment domain (CARD) and a TIM-Barrel-like domain. The caspases, cysteine aspartyl proteases, are principal effectors of apoptosis. CARD containing NAC proteins are used for screening modulators that modulates apoptosis, cytokine production, cytokine receptor signalling and other cellular processes. NAC can act as an immunogen for the production of polyplonal and monoclonal antibodies. It can also be used to diagnose and treat inflammatory disorders such as sepsis, fibrosis and arthritis and cancer pathologies such as adenocarcinomas and lengths.
                                                                                                                                                                                                                                                                                            Pyrin domain; PYD domain; antiinflammatory; antiparkinsonian; antiarteriosclerotic; antipsoriatic; antiparkinsonian; antiarteriosclerotic; antiarteriosclerotic; antiarteriosclerotic; antiarteriosclerotic; antiarteriosclerotic; notropic; intracellular signal transduction; inflammation; Alzheimer's disease; infection; psoriasis; asthma; arteriosclerosis; multiple sclerosis; rheumatoid arthritis; sarcoidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Reed
                               30-OCT-2001; 2001WO-EP012545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAL47144 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence is a forward set 3 primer used for amplifying human NB-ARC and CARD containing protein (NAC) cDNA. NAC beta isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-183258/18.
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                                                                                          23-MAY-2002
                                                                                                                                                   WO200240668-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pyrin domain containing protein coding sequence PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Page 86; 184pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel nucleic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BURNHAM INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               used to produce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGTGATGAGAGAAGCGGTGAC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP; 6 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           acid encoding NB-ARC and to produce polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99US-00388221.
                                                                                                                                                                                                                                                                      glomerulonephritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 C; 9 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and caspase associated recruitment
les for screening for modulators of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
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RESULT 28
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Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                antiarteriosclerotic; antipsoriatic; antibacterial; virucide; neuroprotective; antiarthritic; antirheumatic; antiasthmatic; neuroprotective; osteopathic; nootropic; intracellular signal transduction; inflammation; Alzheimer's disease; infection; psoriasis; asthma; arteriosclerosis; multiple sclerosis; rheumatoid arthritis; sarcoidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAL47146 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates the DNA and their encoded proteins, where the proteins contain at least one PYD (pyrin) domain. These can be used to treat diseases associated with impaired intracellular signal transduction, particularly inflammation such as psoriasis, arteriosclerosis, bacterial or viral infections (particularly meningitis and pneumonia), multiple sclerosis, rheumatoid arthritis, asthma, sarcoidosis, glomerulonephritis and osteoarthritis, and also Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New DNA encoding protein with pyrin domain, useful for treating diseases involving impaired signal transduction, particularly inflammation, also
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30-NOV-2000; 2000DB-01059595.
                                         WPI; 2002-427093/45
                                                                                                                         15-NOV-2000;
30-NOV-2000;
                                                                                                                                                                     30-OCT-2001; 2001WO-EP012545.
                                                                                                                                                                                                                             WO200240668-A2
                                                                                                                                                                                                                                                                                   osteoarthritis; glomerulonephritis; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                    Pyrin domain containing protein coding sequence PCR primer #2
                                                                                                                                                                                                                                                                                                                                                                                                                                20-AUG-2002
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                                                                                                                                                                                                                                                         Unidentified.
                                                                                                                                                                                                                                                                                                                                                                       Pyrin domain; PYD domain; antiinflammatory; antiparkinsonian;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Parkinson's diseases. The present sequence is a PCR primer used late a coding sequence of the invention
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                                                                                                APOTECH RES
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                                                                    Martinon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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2000DE-01059595.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.4e+02;
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New DNA encoding protein with involving impaired signal trar

with pyrin domain, useful for treating di transduction, particularly inflammation,

diseases on, also

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RESULT 29
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Matches
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                        Sequence forms triplex with the double stranded target sequence with G binding to G-C and T to A-T. The strand runs 3' to 5' in an antiparallel orientation and when targeted to a specific sequence will deactivate it. This allows for growth inhibition in cancerous cells; manipulation of cellular structural protein content; inhibition of Ii-2 chain receptor; disbursing plaque formation in Alzheimer's disease; inhibiting EGF gene; modulating cholestrol synthesis through the HMGCA gene; suppressing NGF gene expression; arresting HSV-I replication and suppressing Beta-globin expression in thallassaemia and sicle cell anaemia patients. (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and pneumonia), multiple sclerosis, rheumatoid arthritis, asthma, sarcoidosis, glomerulonephritis and osteoarthritis, and also Alzheimer's and Parkinson's diseases. The present sequence is a PCR primer used to isolate a coding sequence of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic oligo-nucleotide(s) which bind target duplex DNA - form linear triplex to control transcription process in gene-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C-myc; cancer; HIV-I; AIDS; collagenase; Alzheimers disease; EGF; epidermal growth factor; GSTpi; HMGCoA; thallasemia; Herpes simplex virus; nerve growth factor receptor; globin; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ05003 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates the DNA and their encoded proteins, where the proteins contain at least one PYD (pyrin) domain. These can be used to treat diseases associated with impaired intracellular signal transduction, particularly inflammation such as psoriasis, arteriosclerosis, bacterial or viral infections (particularly meningitis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1990-195509/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hogan ME,
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31-OCT-1990
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                                                                                                                                                                                                                                                                                                                                                                                                          Page 30; 40pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kessler DJ;
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(first entry)
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                                         The invention describes a method of typing (M1) a gene (I) that has one CC or more polymorphic microsatellite loci (PML). The method comprises: PCR camplification of at least one DNA region of (I) that includes PML, using CC as template a DNA sample containing at least one segment of (I); and CC determining the length of the resulting amplicon(s). Also described are: CC amethod of determining (M2) microsatellite markers (MM) for prediagnosis (M2) microsatellite markers (MM) for prediagnosis (M2) microsatellite markers (M1) for cc more PML; and prediagnosis (M3) of diseases associated with gene that includes one or CC include PML. The method is used to identify microsatellite markers, in a CC include PML. The method is used to identify microsatellite markers, in a CC diseases and for prediagnosis of such diseases, especially prion diseases but also cystic fibrosis, malignant hyperthermia syndrome in pigs and CC metabolic diseases; also to type genes that encode milk proteins, CC diseases; also to type genes that encode milk proteins. This contains syndrome in pigs and CC metabolic diseases appensive than known methods based on sequencing. This consequence represents a prion protein polymorphic microsatellite marker
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Matches 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disease predisposition; microsatellite marker; prion disease; cystic fibrosis; malignant hyperthermia syndrome; metabolic d milk protein; hormone; transcription factor; pT7-blue-vector;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Geldermann H,
                                  consensus sequence.
                                                                                                                                                                                                                                                                                                                                                                                 Typing genes that contain polymorphic microsatellite loci, useful for identifying predisposition to disease, by amplification and determining
                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-215730/21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prion protein polymorphic microsatellite marker consensus sequence
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                                                                                                                                                                                                                                                                                                                               9; Page 50; 64pp;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disease;
r; sheep;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Query Match Best Local Similarity Matches 24; Conserv

Conservative

0,

Mismatches

Indels

0

Gaps

0

0.4%;

Score 21; Pred. No.

DB 1; 1.5e+02; U; 0 Other;

Length 29

Sequence

29

BP; 0 A; 0 C; 0 G; 29

T; 0

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RESULT 31
AAN70277;

ID AAN70277;

XX
AC AAN70277;

XX
AC AAN70277;

XX
DT 03-OCT-2002 (revise of a cissile o
RESULT 32
AAN92243/c
ID AAN92243; standard; D
XX AAN92243;
AC AAN92243;
XX
DT 25-MAR-2003 (revise
DT 31-OCT-2002 (revise
DT 25-APR-1990 (first
XX
DB SS probe MRCO64.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent claims a new molecule of formula (NA1---S---NA2)n. NA1 and NA2 are noncomplementary nucleic acid sequences; ---S--- a scissile linkage; n= 1 or 1,000, which is used for the detection of specific DNA or RNA sequences in a test soln. The scissile link probes may be PL (Permanent Linkage to Solid Support) or HL (Hydrolysable Linkage to Solid Support). The differential liability of DNA and RNA may be exploited in a heterogenous system when the scissile linkage is an RNA molecule. In the examples, counter probe molecules 9 through 16 were used to determine suitable hybridisation conditions. (Updated on 03-OCT-2002 to add missing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 30 BP; 0 A; 0 C; 0 G; 22 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic nucleic acid probes linked by a scissile linkage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hybridisation; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example; p29; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1987-186567/27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     5393 AAAAAATACAAAAAGAAAAATGAAAA 5421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29
                                                                                                                                                                                                                                                                                                                                                                                              30 AAAAAAAAAAAAAAAAAAAAAAAAAAAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAAAAAAAAAAAAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    scissile link probe MRC064 (HL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (revised)
(first entry)
                                                                     (first
                                                                                                 revised)
                                                                                                                            revised)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INC.
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                                                                                                                                                                                                                                            DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.4%;
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                                                                  entry)
                                                                                                                                                                                                                                               30
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                                                                                                                                                                                                                                            BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ı
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                comprising two nucleic acid sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1;
1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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RESULT 33
AAQ36302/c
ID AAQ363
XX AAQ363
AC AAQ363
XX 25-MAR
DT 25-MAR
DT 07-JUN
XX GST3an
XX Glutat
KW Glutat
KW Sensit
XX Synthe
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                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                     probe MRCO64 is bound by a hydrolysable linkage to a solid support at its 3' end. It is used by reacting excess probe with a target nucleic acid; nicking hybridised probe at least once within a predetermined sequence to form 2 or more probe fragments hybridised to the target sequence, which results in the probe fragments becoming hybridised to another probe; and identifying probe fragments, so detecting the target sequence. The probe can react with target sequence to complete a cycling sequence. Using this system, sensitivity of 10 exp. -19 to 10 exp. -20 molecules of target can be obtd. The probe is cleavable at the ribonucleotides by a ds RNase, eg RNase H or ExoIII. (Updated on 31-OCT-2002 to add missing OS field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Duck
                            Glutathione-s-transferase pi; cancer; drug resistance; chemotherapy; sensitisation; triplex; target; duplex; ss.
                                                                                                                                        AAQ36302;
                                                                                                                                                                                                                                                                                                                                                Sequence 30 BP; 0 A; 0 C; 0 G; 22 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Detecting target nucleic acid molecules - using excess complementary nucleic acid probes and nicking to complete a cycling sequence.
                                                                                               25-MAR-2003
07-JUN-1993
                                                                                                                                                                  AAQ36302 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 24; 34pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                    GST3anti, for GSTpi gene target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1989-339977/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-APR-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-NOV-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Probe MRCO64; solid support; ribonuclease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MEIO-) MEIOGENICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-APR-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO8910415-A
                                                                                                                                                                                                                                                                                                                                                                          (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                      5393 AAAAAATACAAAAAAGAAAAATGAAAA 5421
                                                                                                                                                                                                                                                                                           24;
                                                                                                                                                                                                                                       Bender R;
                                                                                                                                                                                                                                                                                          Conservative
                                                                                               (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88US-00187814.
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/note= "ribonucleotides."
21...30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       note= "deoxyribonucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*tag=
                                                                                                                                                                    DNA;
                                                                                                                                                                                                                                                                                                     0.4%;
                                                                                                                                                                    30
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                                                                                                                                                                                                                                                                                          Score 21; DB
Pred. No. 1.5e
0; Mismatches
                                                                                                                                                                                                                                                                                      DB 1; L. 1.5e+02; 5;
                                                                                                                                                                                                                                                                                                                     Length 30
                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                           0,
                                                                                                                                                                                                                                                                                           Gaps
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0;

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RESULT 34
AAQ36301/c
ID AAQ363
XX AAQ363
XX AAQ363
XX AAQ363
XX GAUGA
DT 25-MAR
DT 07-JUN
XX GIUTAT
KW GIUTAT
KW GENSIT
KW GST3pa
XX Synthe
XX Synthe
XX Synthe
XX CS-JAN
XX US5176
XX US5
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Matches 24; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Overexpression of the enzyme glutathione-s-transferase pi has been implicated as being responsible for the broad range drug resistance which develops in a variety of cancers. Expression of the gene may be prevented by the formation of a triplex between the duplex target DNA sequence and an anti parallel or parallel synthetic oligonucleotide. A suitable target equence is that from base -499 to -410 of GSTpi, an unusual repetitive DNA segment within the control domain. Oligonucleotides targetted against this sequence will repress GSTpi transcription. See also AAQ36219-362. (Updated on 25-MAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 which bind to target sequence in duplex DNA forming colinear triplex by binding to major groove.
                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Glutathione-s-transferase pi; cancer; drug resistance; chemotherapy; sensitisation; triplex; target; duplex; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GST3par,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30 BP; 0 A; 0 C; 0 G; 30 T; 0 U; 0 Other;
     Synthetic oligo-nucleotide(s), prodn. useful e.g.
                                                        WPI; 1993-035718/04.
                                                                                                                                                                                                               20-DEC-1988;
                                                                                                                                                                                                                                                                22-DEC-1989;
                                                                                                                                                                                                                                                                                                                   05-JAN-1993
                                                                                                                                                                                                                                                                                                                                                                       US5176996-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ36301 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1993-035718/04.
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                                                                                                                                                               (BAYU ) BAYLOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <u>AAAAAAAAAAAAAAAAAAAAAAAAAA</u>
                                                                                                         Kessler DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GSTpi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27;
                                                                                                                                                               COLLEGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88US-00287359
                                                                                                                                                                                                               88US-00287359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gene target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           됭
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                                                                                                                                                               MEDICINE
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 30;
        for HIV-1 inhibition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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RESULT 35
AAX57020/c
ID AAX57020 c
XX
AC AAX57020;
XX
DE WO9923258
XX
Visual; n
KW 9923258
XX
XX
PD 14-MAY-19;
XX
PF 30-OCT-19;
XX
PF 31-OCT-19;
XX

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Best Local Simi
Matches 24;
                                                                                     target nucleic acid presence in a sample. A preferred target is a Mycobacterium complex nucleic acid sequence. The detection method uses visual detection of a change in the hybridization without aid of instrumentation. Multiple copies of a target nucleic acid sequence are mixed with first and second detectable probes under hybridizing conditions favouring particle agglutination via a bridging molecule allowing for visual detection of the target nucleic acid sequence. The bridging molecule enhances or inhibits formation of a hybridization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Overexpression of the enzyme glutathione-s-transferase pi has been implicated as being responsible for the broad range drug resistance which develops in a variety of cancers. Expression of the gene may be prevented by the formation of a triplex between the duplex target DNA sequence and an anti parallel or parallel synthetic oligonucleotide. A suitable target sequence is that from base -499 to -410 of GSTpi, an unusual repetitive DNA segment within the control domain. Oligonucleotides targetted against this sequence will repress GSTpi transcription. See also AAQ36219-362.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Visual; nucleic acid detection; target; agglutination; bridging molecule; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   which bind to target sequence in duplex DNA forming colinear triplex by binding to major groove.
                                                                                                                                                                                                                                                                                                                              This invention describes a novel method for the visual detection of
                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 40; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Optical detection of hybridization complexes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Weisburg WG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-OCT-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GENP-) GEN-PROBE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (Updated on
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5393 AAAAAAATACAAAAAAGAAAAATGAAAA 5421
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP; 0 A; 0 C; 0 G; 30 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stull
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97US-0063969P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98WO-US023267
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Reshatoff MR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 21; DB:
Pred. No. 1.5e
0; Mismatches
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1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hybridisation; probe; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for specific target nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <u>5</u>
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Sequence 30

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RESULT 36
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                                                            Matches
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                                                                                                                                                             response. The method comprises administering an immunostimulatory nucleic acid to a non-rodent subject in sufficient quantity to stimulate an immune response. The present sequence is one such immunostimulatory nucleic acid. The immunostimulatory nucleic acid control the immunostimulatory nucleic acids can be pyrimidine rich (py-rich) or thymidine (T) rich. The method is used to vaccinate subjects against tumour antigens, viral antigens (e.g. herpesviridae, retroviridae and/or orthomyxoviridae), bacterial antigens (e.g. toxoplasma, haemophilus, campylobacter, clostridium, Escherichia coli and/or stappylococcus), fungal antigens and/or parasitic antigens. The method is also useful for preventing cancer, asthma, infectious disease, allergy or immune deficiency. The present sequence can also be used to redirect a Th2 to a Th1 immune response and to activate immune cells. Note: the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (IOWA )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vaccine; cytostatic; virucidal; bactericidal; fungicidal; anti-parasitic; immunostimulatory; tumour; viral infection; bacterial infection; fungal infection; parasitic infection; cancer; asthma;
                                                                                                                     Sequence 30 BP; 30 A; 0 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                 Example 6; Page 60; 338pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                              Vaccinating against tumors, infectious diseases, allergies and asthma using immunostimulatory Py-rich and TG nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-273485/28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-SEP-1999;
27-SEP-1999;
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                                                                                                                                                   present sequence may have a phosphorothicate backbone
                                                                                                                                                                                                                                                                                                                                                    The present invention relates to a method for stimulating an immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Krieg AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-AUG-2000; 2000US-0227436P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200122972-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    infectious disease; allergy; immune deficiency; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Immunostimulatory nucleic acid #1005
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                                                                        Local
                              5393
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                                                                          Similarity
                    AAAAAATACAAAAAGAAAAATGAAAA 5421
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Schetter C,
                                                            Conservative
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ilarity 82.8%;
Conservative
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99US-0156135P.
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                                                                       0.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vollmer
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Pred. No. 1.5e+02;
                                                                        Score 21; DB 1;
Pred. No. 1.5e+02;
                                                            Mismatches
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29
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                                                                                       Length 30;
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RESULT 38
AAD02771/c
ID AAD02
XX
AC AAD02
XX
AC AAD02
XX
DT 31-MA

31-MAY-2001 AAD02771;

(first entry)

2771/c AAD02771

standard;

DNA;

30

ΒP

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ARBSULT 37
AAP99888/c
ID AAP998
AC Vaccin
KW Immuno
KW fungal
KW infect
XX Synthe
AC US-APR
XX 25-SEP
AC 23-AUG
AC 27-SEP
AC 23-AUG
AC COLE-
AC CO
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Best Local Similarity
Matches 24; Conserv
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27-SEP-1999;
23-AUG-2000;
                                                                                                                                                                                                                                                                                                       acid to a non-rodent subject in sufficient quantity to stimulate an immune response. The present sequence is one such immunostimulatory nucleic acid. The immunostimulatory nucleic acids can be pyrimidine rich (py-rich) or thymidine (T) rich. The method is used to vaccinate subjects against tumour antigens, viral antigens (e.g. herpesviridae, retroviridae and/or orthomyxoviridae), bacterial antigens (e.g. toxoplasma, haemophilus, campylobacter, clostridium, Escherichia coli and/or staphylococcus), fungal antigens and/or parasitic antigens. The method is also useful for preventing cancer, asthma, infectious disease, allergy or immune deficiency. The present sequence can also be used to redirect a Th2 to a Th1 immune response and to activate immune cells. Note: the present sequence may have a phosphorothioate backbone
                                                                                                                                                                                                                                              Sequence 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vaccinating against tumors, infectious diseases, allergies and using immunostimulatory Py-rich and TG nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-273485/28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Krieg AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-APR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 6; Page 60; 338pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (IOWA )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            infectious disease; allergy; immune deficiency; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunostimulatory nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200122972-A2
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                                 5393 AAAAAAATACAAAAAAAGAAAAAATGAAAA 5421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UNIV IOWA RES FOUND COLEY PHARM GMBH.
The method comprises administering an immunostimulatory nucleic
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                                                                                                                          Conservative
                                                                                                                                                                                                                                                     BP; 0 A; 0 C; 0 G; 30 T; 0 U; 0 Other;
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99US-0156135P.
                                                                                                                                                     0.4%;
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                                                                                                                    ; Score 21; DB:
; Pred. No. 1.5e-
0; Mismatches
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                                                                                                                                                                                         DB 1;
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ID ABKIO416
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XX ABKIO
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KW targe
XX Synth
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Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence is a reverse set 3 primer used for amplifying human NB-ARC and CARD containing protein (NAC) cDNA. NAC beta isoform represents the NAC splice variant in which both the splice regions are present in the translated polypeptide. NAC protein comprises a nucleotide binding (NB) domain (also referred as NB-ARC domain), a caspase-associated recruitment domain (CARD) and a TIM-Barrel-like domain. The caspases, cysteine aspartyl proteases, are principal effectors of apoptosis. CARD containing NAC proteins are used for screening modulators that modulates apoptosis, cytokine production, cytokine receptor signalling and other cellular processes. NAC can act as an immunogen for the production of polyclonal and monoclonal antibodies. It can also be used to diagnose and treat inflammatory disorders such as sepsis, leikasmias and arthritis and cancer pathologies such as adenocarcinomas and leikasmias and entranticis and cancer pathologies such as democarcinomas and leikasmias.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; Page 86; 184pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   caspase-associated recruitment domain; CARD; TIM-Barrel-lik cysteine aspartyl protease; apoptosis; cytokine production; cytokine receptor signalling; therapy; inflammatory disorde
                                   Synthetic
                                                                                      88; 5'-A30-3'; double stranded DNA generation; promiscuous base
                                                                                                                          Synthetic primer sequence 5'-A30-3'.
                                                                                                                                                             21-MAY-2002
                                                                                                                                                                                                                                   ABK10416 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 30 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel nucleic acid encoding NB-ARC and caspase associated recruitment domains, used to produce polypeptides for screening for modulators of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-183258/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-SEP-2000; 2000WO-US024152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human
 US6326143-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fibrosis; arthritis; cancer; adenocarcinoma; leukaemia; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; NB domain; nucleotide binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (BURN-) BURNHAM INST
                                                                                                                                                                                                                                                                                                                                                         4847 GCTTTGGCTGACCCTTCTTTG 4867
                                                                                                                                                                                                                                                                                                                        30 GCTTTGGCTGACCCTTCTTTG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAC cDNA amplifying reverse set 3 primer.
                                                                      molecule; primer
                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9905-00388221.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10 A; 9 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                   DNA; 30 BP
                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                0.4%;
                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                             Score 21; DB 1; Length 30; Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NB-ARC and CARD; NAC;
TIM-Barrel-like domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       disorder; sepsis;
                                                                                                                                                     (
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5393 AAAAAAATACAAAAAAGAAAAAATGAAAA 5421

Sequence 30

BP;

30

A, 0 C; 0 G; 0 T; 0 U; 0 Other;

Similarity

82.8%;

Score 21; DB Pred. No. 1.5e 0; Mismatches

..5e+02; 5;

0,

Gaps

Length 30,

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The invention relates to determining an analyte in a sample comprising (a) providing a target nucleic acid comprising a region A, a nucleobase equence B, and a sequence I inked to the 5' terminus of the nucleobase canalyte, and the region A specifically binds to the analyte, (b) binding the target nucleic acid from the remaining part of the sample, (d) the target nucleic acid from the remaining part of the sample, (d) thybridises to the nucleobase sequence B (e) binds to the analyte, (b) binding comprises a nucleobase sequence B, (e) elongating the bybridised pybridises to the nucleobase sequence B, (e) elongating the hybridised pybridises to the nucleobase sequence B, (e) elongating the hybridised caid carries at least one product B using the target nucleic acid carries as a template and using nucleotides, where at least 10 % of the nucleobase sequence B, (e) elongating the hybridised comparison product B, where the elongation product E, (f) separating the target nucleic acid from the elongation product E, (g) separating the pybridised for the elongation product E, where the elongation product E, (h) carries as a template for the elongation of the further primer, (h) celongating the hybridised further primer of step (g) to produce an elongating the hybridised further primer of step (g) to produce an elongation product E, (l) separating the elongation product B, (l) separating the elongation product B using nucleotides contain at least one promiscuous base, (l) separating the repairing a nucleotides contain at least one promiscuous base, (l) separating the promiscuous base, (l) separating product B, (m) product B as a template and using nucleotides, where at least 10 % of the congation product B, (m) another elongation product B using the target nucleic acid or the elongation product B, (m) of the sequence I and the nucleobase sequence B are chosen such that, when the further primer of step (g) by an overlap length of the hybridised primer of step (e) and overlaps at least a part of the 3' region of the substin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Determining an analyte in a sample, for generating multiple doul stranded nucleic acids, comprises employing a single primer sequence nucleobase sequence having affinity to the sequence contained
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Col 14; 25pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   target nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HOFF ) ROCHE DIAGNOSTICS GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96WO-EP005149.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98US-00083123.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          English.
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RESULT 40 ABK10412/c

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CC (a) providing a target nucleic acid comprising a region A, a nucleobase cC sequence B, and a sequence I linked to the 5' terminus of the nucleobase CC sequence B, where the nucleobase sequence B is not specific for the canalyte, and the region A specifically binds to the analyte, (b) binding CC the target nucleic acid from the remaining part of the sample, (d) the target nucleic acid from the remaining part of the sample, (d) comprises a nucleobase sequence B', and the nucleobase sequence B' comprises a nucleobase sequence B', and the nucleobase sequence B' comprises a nucleobase sequence B', and the nucleobase sequence B' comprises a nucleobase sequence B', and the nucleobase sequence B' comprises to the nucleobase sequence B, (e) elongating the hybridised CC nucleotides contain at least one promiscous base which is capable of CC nucleotides contain at least one promiscous base which is capable of CC separating the target nucleic acid from the elongation product E, (g) hybridising a further primer which comprises the nucleobase sequence B' compation product B, where the elongation product E, (g) comprises the nucleobase sequence B' compation product B, where at least 30 % of the nucleobase sequence B' compation product B, where at least 30 % of the nucleotides contain at CC least one promiscous base, (i) separating the elongation product B as a template and cC least one promiscous base, (i) product B as a template and cC least one promiscous base, (i) product B as a template and cC least one promiscous base, (i) product B as a template and cC least one promiscous base, (i) product B as a template and cC least one promiscous base, (i) product B from the elongation product B, (g) to produce B' of the target nucleic acid or the elongation at cC least one promiscous base, (l) separating produce C another elongation at least one promiscous base, (l) separating product C and be least of the compation product B, (m) of 
                   generate a desired amount of double stranded nucleic acids and (n) determining the elongation product E and/or elongation product E as a measure of the presence or amount of the analyte, where the lengths of the sequence I and the nucleobase sequence B are chosen such that, when the further primer hybridises to the elongation product E in step (g),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Determining an analyte in a sample, for generating multiple double stranded nucleic acids, comprises employing a single primer sequence with a nucleobase sequence having affinity to the sequence contained in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; Col 14; 25pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OL THE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK10412 standard; DNA; 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HOFF ) ROCHE DIAGNOSTICS GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    target molecule; primer.
further primer hybridises to the further primer spans a sequence f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention relates to determining an analyte in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5'-T30-3';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         primer sequence 5'-T30-3'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          double stranded DNA generation; promiscuous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96WO-EP005149
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RESULT 41
ABK70490/A
ID ABK70490/A
XX ABK7040/A
XX ABK70
XX ABK70
XX IN-8:
XX Human
XX Epste
XX IN-8:

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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                    The present invention relates to a new oligonucleotide label-domain comprising the sequence (CTATTY) n and its complement (AAATAG) n, where comprising the sequence (CTATTY) n and its complement (AAATAG) n, where n is 1. The probe sets of the invention are useful for detecting kappa or lambda-immunoglobulin light chain mRNA or corresponding heteronuclear RNA, CMV (cytomegalovirus) immediate early RNA, EBV (Epstein-Barr virus) early RNA 1 and RNA 2, and human Alu repetitive satellite genomic sequences. The invention is a useful generic sequence for incorporation into oligonucleotide probes for detecting gene-specific sequences within cells or tissue samples in in situ hybridisation analysis and for attaching a label to immunoglobulins or other proteins for detecting haptens and antigens in immunohistochemical analyses. The present nucleic acid sequence represents one of a collection (ABK70306-ABK70501) of oligonucleotide probes that were used in the invention for detecting or localising a plurality nucleic acid target gene or antigen within a cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hybridised primer of step (e) and overlaps at least a part of the 3' region of the hybridized primer of step (e) by an overlap length. The method is useful determining an analyte in a sample. In particular, the method is useful for generating multiple double stranded nucleic acids. The present sequence is a primer molecule used to exemplify the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          probes useful
within a cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel oligonucleotide label-domain for incorporation into oligonucleotide probes useful for detecting or localizing nucleic acid target genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-SEP-2001; 2001WO-US028014
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; oligonucleotide label-domain; CMV; cytomegalovirus; Epstein-Barr virus; lambda-immunoglobulin light chain; hapt kappa-immunoglobulin light chain; repetitive Alu sequence;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABK70490;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 69; 71pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Utermohlen JG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-SEP-2000; 2000US-0233177P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Epstein-Barr early RNA; probe; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VENTANA MEDICAL SYSTEMS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seful for detecting or localizing nucleic cell or tissue sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard;
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                                                                      sample
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Connaughton J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; 0 C; 0
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Sequence 30

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RESULT 42
ABS53961 standard; D
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ABS53961;
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ABS53961;
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CABS53961;
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TOKUNAGA T, Ishigun
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PT TOKUNAGA T, Ishigun
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CT TOKUNAGA T, Ishigun
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PT Fluorescent dye or:
PT acid probe for measi
PT sequence in sample,
ACC neasuring nucleic acid. The d
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CC spequence 30 BP; 0 1
                                                                                                                                                                                                                                      The invention describes a novel fluorescent dye and method of detecting CC nucleic acid. The dye and method are useful for nucleic acid sequence in nucleic acid sequence in a sample, and for qualitative/quantitative assay of target RNA containing specific base sequence anticipated in gene mixture. The assay is useful CC in gene diagnosts and other areas of clinical diagnostics and in CC identification/quantification microorganisms in biological samples such CC comms, soil, rivers and sea. The fluorescent intercalative dye shows a CC large fluorescent enhancement upon intercalation into double-stranded CC nucleic acid, and shows a great difference between excitation and CC emission wavelengths (has a large Stokes shift) and does not have a CC fluorescent intercalation dyes. Viruses, microbial RNAs, specific CC the detection method is applicable or quantified in a short time, hence CC the detection method is applicable or quantification is which requires CC high reliability. Amplification and extraction efficiencies of the target or nucleic acid, are checked. This sequence represents a synthetic DNA used as the target in an assay to detect double stranded DNA.
                                                                                            Query Match
Best Local Similarity
Matches 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fluorescent dye or its salt, hydrate, solvate or stereoisomer for nucleic acid probe for measuring nucleic acid(s) containing specific nucleic acid sequence in sample, has specific formula.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tokunaga T, Ishiguro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fluorescent intercalative dye; nucleic acid detection; gene diagnosis; clinical diagnostics; Stokes shift; ds.
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                                             5393 АЛАЛАЛАТАСАЛАЛАЛАДАЛАЛАТGAAAA 5421
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The present invention relates to a circularly permuted chimeric pRNA CC molecule comprising a pRNA region and a spacer region which comprises a CC stabilised biologically active RNA molecule such as a ribozyme or an CC antisense RNA, and, which is covalently linked at its 5' and 3' ends to the pRNA region. The pRNA region includes a circularly permuted pRNA CC (cpRNA) of a bacteriophage selected from bacteriophage phi29, SF5', B103, CC PZA, MZ, NF and GA1. The spacer region can optionally include first and CC encent nucleotide strings interposed between the biologically active CC carrying or delivering and protecting a ribozyme or other biologically active group to a target molecule, location, or cell. The chimera may CC also be used to cleave undesired RNAs in plants and instabilising RNAs in solutions for use in binding assays, cleavage assays or diagnostics. The chimeras may be used in developing transgenic plants or animals cancer and pathogen infections. The chimeras are also useful for treating CC cancer and pathogen infections. The chimeras are also useful for treating CC upon e.g. ribozymes, against the action of cellular exonucleases, and so
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pRNA chimeras comprising a pRNA region and a spacer region containing biologically active RNA, useful for delivering a ribozyme or other biologically active group to a target molecule, location, or cell.
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/note= "Forms a double stranded regiof the sequence in ABK48759"
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/note= "Forms a double stranded region
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                   comprises a pRNA region and a spacer region comprising a biologically active RNA, where the spacer region is covalently linked at its 5' and ends to the pRNA region. The pRNA chimera is useful for delivering a biologically active RNA molecule to a target within a cell, for characteristing RNA molecules and for stabilizing RNA in solution in binding assays and diagnostics. The present sequence is binding assays. Cleavage assays and diagnostics. The present sequence is urgently substrate. This sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                                                     New pRNA chimera comprising a pRNA region and spacer region covilinked at its 5' and 3' ends to a pRNA region, for delivering a biologically active RNA molecule to a target within a cell, for
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                                                                                                                                                                                                                                      Example 3;
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23-AUG-2001; 2001WO-US026333.
16-DEC-2002; 2002US-0433697P.
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                                                                                                                                                                                                                                   SEQ
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                                                                                                                                                                                     relates to a novel pRNA (packaging RNA) chimera which
                                                                                                                                                                                                                                 ID NO 4; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /bound moiety= "Nucleotides nucleotides 47-37 of SEQ ID 13. 24 /*tag= b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /bound_moiety= "Nucleotides 59-48 nucleotides 14-3 of SEQ ID NO:10"
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No. 1
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                           The invention discloses a method for identifying a candidate polymorphic CC repeat within a coding sequence (expressed sequence tag, EST), which CC comprises detecting trandem repeats in a target coding sequence, scoring CC the repeats for polymorphic probability and generating a dataset CC correlating the repeats with polymorphic probability to identify a CC candidate polymorphic repeat. The computational methods (polymorphic CC marker prediction of ubiquitous simple sequences, POMPOUS, and Rep.X) are CC useful for identifying and detecting candidate polymorphic repeats in CC human genes, which can be used to understand, treat or eliminate genetic CC diseases, predispositions or adverse drug-treatment reactions. Examples CC syndrome, Huntington's disease, fragile-X syndrome, Fredreich's ataxis, CC syndrome, Huntington's disease, fragile-X syndrome, Fredreich's ataxis, CC syndrome, Huntington's disease, fragile-X syndrome, Fredreich's ataxis, CC syndromic dystrophy, hyperandrogenaemia, spinal and bulbar atrophy and CC spinocerebellar ataxia. The sequences presented in ABX79676-ABX80022 are the polymorphic repeats identified for a search of human ESTs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 12
                                                                                                                                                                                                                                                                                                                                     understanding or treating genetic di repeats in a target coding sequence polymorphic probability.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Garner HR, Wren JD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EST; expressed sequence tag; ss; polymorphic repeat; tandem re; polymorphic marker prediction of ubiquitous simple sequences; Rep-X; human; genetic disease; drug-treatment; Machado-Joseph; Haw River syndrome; Huntington's disease; fragile-X syndrome; Fredreich's ataxis; myotonic dystrophy; hyperandrogenaemia; spinal atrophy; bulbar atrophy; spinocerebellar ataxia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
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                                                                                                                                                                                                                                                                                                      Example; Col 717; 588pp; English
                                                                                                                                                                                                                                                                                                                                                                                       Identifying a candidate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-OCT-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GUGUUACAGCUCUUUUAGAAUUUG
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                                                                                                                                                                                                                                                                                                                                                     polymorphic repeat within a coding sequence, ng genetic disease, comprises detecting tande ing sequence and scoring the repeats for
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Pred. No. 1.5e
LO; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           JW;
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                                                                                                                                                                                                                                                                                                                                                                          tandem
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Query Match Best Local S Matches 23

Similarity

0.4%;

Score 20.6; D Pred. No. 1.6e 0; Mismatches

.6e+02;

DB 0 Other; 1:

Length 27; Indels

0

Gaps

0

Conservative

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Sequence

27

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0 C; 0

G; 26

T; 0

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Best Local Similarity

88.0%;

Pred. No. 1.9e+02;

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Sequences AAH37205 - AAH40944 represent PCR primers, single nucleotide CC primer extension (SNPB) primers, and the sequences of regions flanking CC sites of single nucleotide polymorphisms SNPB. The present invention CC includes kits for determining the presence or absence of a SNP, using the coligonucleotides of the invention. The PCR primers are used to amplify a CC SNP flanking sequence, the SNPE primer is used as a genotyping primer. CC performing a single-nucleotide primer extension reaction. The cligonucleotides are useful for determining the presence, absence or cidentity of a SNP and for genotyping nucleic acid sample by cases by association analysis the genotype of an individual or group of cindividuals, having a pathological phenotypic trait suspected of being caused by one or more SNPs. Phenotypic traits include disease e.g. costeogenesis imperfecta and acute intermittent porphyria. Phenotypic craits also include symptoms of or susceptibility to multifactorial diseases, including, rheumatoid arthritis, multiple sclerosis, cancer, nervous system diseases and infection by pathogenic miteral ty analysis. The present sequence represents a single nucleotide primer extension (SNPE) primer specific for a human SNP containing DNA carrier extension (SNPE) primer specific for a human SNP containing DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 56; 83pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New genotyping oligonucleotide, useful for detecting the presence, absence or identity of single polynucleotide polymorphism in a nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-290930/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Picoult-Newburg L,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inflammation; forensic investigation; paternity analysis; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99US-0160096P.
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Query Match

0 . 48 ;

Score 20.2;

DB 1; Length 25;

Query Match Best Local S Matches 22

Similarity

88.0%;

Score 20.2; DB 1; Length 27; Pred. No. 1.9e+02; O; Mismatches 3; Indels

<u>.</u>

Gaps

0

0

Sequence 25

BP; 1 A; 1 C; 0 G; 23 T; 0 U; 0 Other;

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RESULT 47
AAV71935/c
ID AAV719
XX AAV719
XX AAV719
XX ANChor
XX Normal
XX Immobi
XX Im
                                                   cc of amplified coNA from the coding regions of mRNA in a sample. The method cc involves reverse transcription, with at least one cDNA primer of formula cc 5'-Con1-dTn2-Vn3-Nn4 to form first stand cDNA where Con1 = any sequence cc of 1-100 nucleotides; dT = deoxythymidinyl, n2 is at least 1; n3 and n4 cc are both 0, or n3 is 1 and n4 is at least 1; followed by second strand cc CDNA synthesis using the first strand as template and a second cDNA cc primer of a similar formula, in the presence of DNA polymerase I (or its cc Klenow fragment) and amplification of double-stranded cDNA with a set of cd atabase (a computer-generated list of molecular weights of restricted CC DNA fragments of known sequence) is used to determine presence of an cc presence disprotein in a cell, also to detect changes in such expression cc (particularly for diagnosis of disease). Surfaces (chip) having amplified CC DNA stably immobilised on it, obtained by a similar method, are used to correct for genes of a particular family, by hybridisation with nucleic carid from the family (to identify new genes) and to detect differences in cc expression patterns between cells. The polypeptides expressed by the clibraries can be used for drug development. Sequences AAV71935 to
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19-MAY-1997;
27-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Preparation of normalised, subdivided cDNA libraries from mRNA - by reverse transcription and amplification, used to screen for new genes and interacting proteins, potential drugs, and for diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Normalised; cDNA library; mRNA cloning; reverse transcription; immobilise; screening; hybridisation; nucleic acid amplificati expression pattern; drug development; PCR primer; RT-PCR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV71935;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAV71935 standard; DNA;
   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to preparation of a normalised, subdivided library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 29; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-009772/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Warthoe PR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-NOV-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9851789-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DISP-) DISPLAY SYSTEMS BIOTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              i.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25 AAAAAAAAAAAAAAAAAAAAATG 1
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   BP; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   97US-00871030.
98DK-00000432.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98WO-DK000186
   A;
      0 C; 0 G; 25
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      T, o
          ₽;
          0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fication;
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5391

TTAAAAAATACAAAAAAGAAAAA 5415

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RESULT 48
ACC45160/c
ID ACC451
XX ACC451
XX ACC451
XX Human
DE Human
XX Human;
KW Human;
KW Antise
CC NAC,
PT modifi
FT modifi
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targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (I) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues with (I); and (3) treating an animal having a disease or condition associated with NAC comprising administering (I) to the animal so that expression of NAC is inhibited. (I) has cytostatic, mostropic, neuroprotective and antiinflammatory activities, and can be used in antisense therapy. The antisense compounds (I) are useful for modulating the expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 3; Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-354583/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bennett CF, Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003024988-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protecin; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NAC chimeric phosphorothioate oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACC45160;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACC45160 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a compound (I) 8-50 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-SEP-2001; 2001US-00956712.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-SEP-2002; 2002WO-US029664.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            e.g. hyperproliferative disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag= c
/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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'note= "2'-O-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gapmer"
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RESULT 49
ACC45174/c
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Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               or disorder arising from aberrant apoptosis. The compounds are also useful as research reagents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or tumour formation. NAC is also known as a death effector filament-forming CED4-like apoptosis protein (DEFCAP). NAC is located on human chromosome 17p13. The present sequence represents a human NAC chimeric phosphorothioate antisense oligonucleotide, which is given in the exemplification of the present invention
                                                                                         WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human NAC chimeric phosphorothioate oligonucleotide SEQ
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                                                                                                                 Bennett CF,
                                                                                                                                                                   19-SEP-2001; 2001US-00956712.
                                                                                                                                                                                             19-SEP-2002;
                                                                                                                                                                                                                                                                                                           modified_base
                                                                                                                                                                                                                                                                                                                                                                modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apop
                                                                                                                                                                                                                     27-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                  modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               phosphorothioate;
                                                                                                                                           (ISIS-)
                                                                                                                                                                                                                                                WO2003024988-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo
                                   antisense compounds, useful for modulating the expression of Ni treating a disease or condition associated with the expression, e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sapiens
                                                                                         2003-354583/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              503
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                                                                                                                                           ISIS PHARM INC
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                                                                                                                                                                                              2002WO-US029664.
                                                                                                                  Freier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                               16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                        note=
                                                                                                                                                                                                                                                                                                 +tag=
                                                                                                                                                                                                                                                                                                                         note= "2'-0-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                    /*tag=
                                                                                                                                                                                                                                                                                                                                                                              note=
                                                                                                                                                                                                                                                                                                                                         mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                           mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88.
                                                                                                                  NS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.4%;
                                                                                                                                                                                                                                                                                      base= OTHER
                                                                                                                                                                                                                                                                          "2'-O-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                            "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                   c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 20
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Claim 3; Page 75; 147pp; English

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CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC and CC molecule encoding NAC. Also described: (1) a composition comprising (1) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with C(1); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (1) to the animal so that expression of CC NAC is inhibited. (1) has cytostatic, nootropic, neuroprotective and CC antiinflammatory activities, and can be used in antisense therapy. The CC antisense compounds (1) are useful for modulating the expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disease, neurological disease, or a disease CC or disorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC useful as research reagents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC useful ke apoptosis protein (DEFCAP). NAC is located on human chromosome CC 17913. The present sequence represents a human NAC cohimeric CC phosphorothioate antisense oligonucleotide, which is given in the CC exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3201/c
ACC45201 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                       modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 8 A; 4 C; 5 G; 3 T; 0 U; 0 Other;
  19-SEP-2002; 2002WO-US029664.
                                              27-MAR-2003
                                                                                        WO2003024988-A1
                                                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                                                                                                                                               modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lomo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                     /note=
16. .20
                                                                                                                                                                                                                                                                                              /note=
1..5
                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                 /mod_base= OTHER
/note= "2'-O-methoxyethyl
                                                                                                                                                                                                                                                                                                                                        mod.
                                                                                                                                                                                                                                                                  *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                     . 20
                                                                                                                                  _base= OTHER
e= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                     base= OTHER
                                                                                                                                                                                                                                                                                                              "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                          (2'-MOB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 20;
                                                                                                                                                                                                                        gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <u>.</u>
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RESULT 51
ACC45204/c
ID ACC452
XX ACC452
XX
AC ACC452
XX
DT 16-JUN
XX
DE Human
XX
Human
KW Antig
KW death
KW death
KW neuro
KW phosp
XX
DS Homo
OS Synth
XX
FT modii
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CC trageted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an s-nucleobase portion of an active site on a nucleic acid cC molecule encoding NAC. Also described: (1) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antisflammatory activities, and can be used in antisense therapy. The CC antisense compounds (I) are useful for modulating the expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease or alsorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for disgnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC tumour formation. NAC is also known as a death effector filament-forming CC 17pl3. The present sequence represents a human NAC chimeric phosphorothicate antisense oligonucleotide, which is given in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                               Human NAC chimeric phosphorothicate oligonucleotide
                                                                                                                                                                                                                                                                                                                                                          ACC45204;
                                                                                                                                                                                                                                                                                                                                                                                              ACC45204 standard; DNA; 20
                                               modified_base
                                                                                                           Synthetic.
                                                                                                                          Homo sapiens.
                                                                                                                                                                  neurological disease; infection; inflammation; phosphorothioate; ss.
                                                                                                                                                                                                      antisense therapy;
death effector fil
                                                                                                                                                                                                                                         Human; cytostatic;
                                                                                                                                                                                                                                                                                                                     16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes a compound (I) 8-50 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 15; Page 76; 147pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-SEP-2001; 2001US-00956712.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4747 CCTCACCTCATTATGGAACT 4766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2003-354583/33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP; 6 A; 2 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                    apy; NAC; DEFCAP; hyperproliferative disease; apoptosis;
filament-forming CED4-like apoptosis protein;
/*tag= a
/mod_base= OTHER
                                                                     Location/Qualifiers
                                                   . 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Fi.
                                                                                                                                                                                                                                         nootropic; neuroprotective; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.4%; Score 20;
100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                   SEQ
                                                                                                                                                                                                                                                                                   ID NO:64.
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SAXAXE
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                                                                                                                                                                                                                                                                                                  cc specifically hybridises with the nucleic acid molecule encoding NAC and conhibits the expression of NAC. The compound specifically hybridises with cat least an 8 -nucleobase portion of an active site on a nucleic acid confecule encoding NAC. Also described: (1) a composition comprising (1) cand a pharmaceutical carrier or diluent; (2) inhibiting the expression of CR (1); and (3) treating an animal having a disease or condition associated credit in the expression of CR (1); and (2) treating administering (1) to the animal so that expression of CR (1); and (2) has cytostatic, nootropic, neuroprotective and CR is inhibited. (1) has cytostatic, nootropic, neuroprotective and CR is inhibited. (1) has cytostatic, nootropic, neuroprotective and CR antisense compounds (1) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of CR (2). Apperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptosis. The compounds are also cuseful as research reagents and kits, or for diagnostics, tharapeutics cand prophylaxis, e.g. to prevent or delay infection, inflament-forming CR (204-like apoptosis protein (DEFCAP). NAC is located on human chromosome CR (1913). The present sequence represents a human NAC chimeric choosome creption of the present invention of the present invention.
                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New
               16-JUN-2003
                                                ACC45183;
                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 3; Page 76; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bennett CF, Freier SM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  modified_base
                                                                               ACC45183 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   targeted to a nucleic acid molecule encoding NAC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a compound (I) 8-50 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-SEP-2002; 2002WO-US029664.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense compounds, useful for modulating the expression of NAC or treating a disease or condition associated with the expression of , e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                   4832 GACCCTTGAGTCCTGGCTTT 4851
                                                                                                                                                                  20
                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                  20
                                                                                                                                                                                                                                                                                                BP; 7 A; 5 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                  Conservative
             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "
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/mod_ba
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                                                                               DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              _base= OTHER
e= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                100.0%;
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== "2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                                               20
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                                                                               ₽P
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                                                                                                                                                                                                                                                                Score 20; DB 1;
                                                                                                                                                                                                                                                  Pred.
                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                No.
                                                                                                                                                                                                                                                  1.9e+02;
                                                                                                                                                                                                                                                                Length 20;
                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                  Gaps
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The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC (I); and for treating a disease or condition associated with expression of CC and for treating a disease or condition associated with expression of CC (I); and (I) has cytostatic (I) are useful for modulating the expression of CC (I); and (I) has cytostative disease, neurological disease, or a disease or disorder arising from aberrant apoptosis. The compounds are also CC (I); and for treating a disease or encodition associated with expression of CC (I); and for treating from aberrant apoptosis. The compounds are also CC (I); and for the compounds are also CC (I); and formation. NAC is also known as a death effector filament-forming CC (I); and formation or compounds are also compounds. The present sequence represents a human NAC chimeric phosphorothicate antisense oligonuclectide, which is given in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15; Page 75; 147pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-354583/33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-SEP-2001; 2001US-00956712.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-SEP-2002; 2002WO-US029664.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease.
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note= "2'-0-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
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== "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               English.
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Query Match Best Local Similarity

0.4%;

Score 20; Pred. No.

DB 1; Length 20; 1.9e+02;

Sequence 20

BP; 2 A; 5 C; 5 G; 8 T; 0 U; 0 Other;

exemplification

of the

present invention

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RESULT 53
ACC45192/c
ID ACC451
XX ACC461
XX ACC461
XX ACC66
XX ACC461
XX ACC66
XX ACC
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targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (I) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues comprising a disease or condition associated with NAC comprising administering (I) to the animal so that expression of NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and antisfammatory activities, and can be used in antisense therapy. The antisense compounds (I) are useful for modulating the expression of NAC,
                                                                                                                                                                                                                                                                                                                                                                                                        Example 15; Page 76; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense compounds, useful for modulating the expression of NAC or for treating a disease or condition associated with the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bennett CF, Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-SEP-2002; 2002WO-US029664.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACC45192 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:52.
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                                                                                                                                                                                                                                                                                                                                               present invention describes a compound (I) 8-50 nucleobases in length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour format
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New antisense compounds, useful for modulating the expression of Ni for treating a disease or condition associated with the expression NAC, e.g. hyperproliferative disease or neurological disease.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and cinhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (I) a composition comprising (I) cand a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antiinflammatory activities, and can be used in antisense therapy. The CC and for treating a disease or condition associated with expression of NAC, c.g. hyperproliferative disease, neurological disease, or a disease or disease, or adisease, or adisease, or adisease, neurological disease, or adisease CC and prophylaxis, e.g. to prevent or delay infection, inflammation or CC tumour formation. NAC is also known as a death effector filament-forming CC DAG-like apoptosis protein (DEPCAP). NAC is located on human chromosome CC 17913. The present sequence represents a human NAC chimeric CC phosphorothioate antisense oligonucleotide, which is given in the
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RESULT 56
ACC45184/c
ID ACC45184 standard; DNA; 20
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.4%; Score 20; DB ilarity 100.0%; Pred. No. 1.9 Conservative 0; Mismatches
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1.9e+02;
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Gaps

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Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy, NAC; DBFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-1lke apoptosis protein; neurological disease; infection; inflammation; tumour formation;

Homo sapiens. Synthetic.

phosphorothioate;

modified_base

Location/Qualifiers
1. .20

/*tag= /mod_ba

bases

OTHER

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16-JUN-2003

(first entry)

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RESULT 57
ACC45156/c
ID ACC451
XX
AC ACC451
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Best Local Similarity
Matches 20; Conser
                      ACC45156
                                                           ACC45156 standard; DNA; 20
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/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
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Pred. No.
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CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and Cc inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid complex and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with CC (1); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (1) to the animal so that expression of CC NAC is inhibited. (1) has cytostatic, nootropic, neuroprotective and CC antisflammatory activities, and can be used in antisense therapy. The CC and for treating a disease or condition associated CC antisense compounds (1) are useful for modulating the expression of NAC, CC and for treating a disease or condition associated with expression of CC useful as research reagents and kits, or for disgnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC conspiration. NAC is also known as a death effector filament-forming CC conspination of the present sequence represents a human NAC chimeric CC phosphorothioate antisense oligonucleotide, which is given in the compound of the present antisense oligonucleotide, which is given in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense compounds, useful for modulating the expression of NI for treating a disease or condition associated with the expression NAC, e.g. hyperproliferative disease or neurological disease.
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16. .20
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/mod_base= OTHER
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Sequence 20

BP; 2 A; 5 C;

4 G;

9 T;

0 U; 0 Other;

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RESULT 58
ACC45163/c
ID ACC451
XX ACC451
XX ACC451
XX Human;
XX Human;
XX Human;
XX Human;
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Best Local
The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (I) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues with (I); and (3) treating an animal having a disease or condition associated with NAC comprising administering (I) to the animal so that expression of NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and
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                                                                                                                                                                                                                                                                                                                                                                                                           antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2003-354583/33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= b
/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              note= "phosphorothioate"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nootropic; neuroprotective; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             _base= OTHER
e= "2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ი
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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Best Local
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ACC45169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antienflammatory activities, and can be used in antisense therapy. The antisense compounds (I) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptosis. The compounds are also useful as research reagents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or tumour formation. NAC is also known as a death effector filament-forming CED4-like apoptosis protein (DEFCAP). NAC is located on human chromosome 17p13. The present sequence represents a human NAC chimeric phosphorothioate antisense oligonucleotide, which is given in the exemplification of the present invention
                                                                                                                                                                                                                                                           modified_base
                                                                                                                                                                                                                                                                                                           modified_base
                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NAC chimeric phosphorothioate oligonucleotide SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACC45169;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20
                                      WPI; 2003-354583/33.
                                                                                                                19-SEP-2001; 2001US-00956712.
                                                                                                                                          19-SEP-2002;
                                                                                                                                                                     27-MAR-2003
                                                                                                                                                                                              WO2003024988-A1.
                                                                                                                                                                                                                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-JUN-2003
                                                                                         (-SISI)
                                                                                                                                                                                                                                                                                                                                                                                                                                         phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens.
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                                                                ÇF,
                                                                                        SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATCCATGAATTGCCGGCGGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATCCATGAATTGCCGGCGGG 902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.4%;
ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP; 4 A; 7 C; 5 G; 4 T; 0 U; 0 Other;
                                                               Freier
                                                                                                                                           2002WO-US029664.
                                                                                        PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                         /mod_base= OTHER
/note= "2'-O-methoxyethyl
16. .20
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/mod_ba
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                                                                                                                                                                                                                                                                                               /*tag=
                                                                                                                                                                                                                                                                                                                          note=
                                                                                                                                                                                                                      note= "2'-0-methoxyethyl (2'-MOB) gapmer"
                                                                                                                                                                                                                                                                                                                                       mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                     *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA;
                                                                                                                                                                                                                                  base= OTHER
                                                                                                                                                                                                                                                                                                                        "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP.
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. 1.9e+02;
n;
                                                                                                                                                                                                                                                                        (2'-MOE)
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                                                                                                                                                                                                                                                                        gapmer"
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New antisense compounds, u

useful for modulating r condition associated

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RESULT 60
ACC45171/c
ID ACC45
XX ACC45
XX ACC45
XX ACC45
XX ACC45
XX Human
XX Human
XX Human
XX Human
XX Homo
OS Synth
XX Ey
FT modii
FT modii
FT modii
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC antiinflammatory activities, and can be used in antisense therapy. The CC antisense compounds (I) are useful for modulating the expression of NAC, C and for treating a disease or condition associated with expression of CC and for treating adsease or condition associated with expression of CC useful as research reagents and kits, or for diagnostics, therapeutics CC and prophylaxis, e.g. to prevent or delay infection, inflammation or tumour formation. NAC is also known as a death effector filament-forming CC CED4-like apoptosis protein (DEFCAP). NAC is located on human chromosome CC 17pl3. The present sequence represents a human NAC chimeric CC phosphorothioate antisense oligonucleotide, which is given in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                      Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DETCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 2 A; 8 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACC45171 standard; DNA; 20 BP
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                                                                                          modified_base
                                                                                                                                                                 modified_base
                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                        phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACC45171;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAC, e.g. hyperproliferative disease or neurological disease.
   WO2003024988-A1
                                                                                                                                                                                                                                        modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1625 GCTGCAGAGAGCTGGCCCAG 1644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAC chimeric phosphorothioate oligonucleotide SEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                             /*tag= b
/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                          /*tag= a
/mod_base= OTHER
                                                                                                                                                                                    /note= "phosphorothicate
                                                                                                                                                                                                                                                                                                                                                        88.
                                                           base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
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                                      "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <u>..</u>
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Pred. No
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                                                                                                                                                                                        backbone'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ID NO:31.
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RESULT 61
ACC45189/c
ID ACC451
XX ACC451
XX ACC451
XX DE Human
XX
DE Human
XX
W Human;
XW Human;
XW antise
XW neurol
KW neurol
KW phosph
XX
N Homo s
OS Synthe
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ct lime present invention describes a Compound (1) of nucleocases in targeted to a nucleic acid molecule encoding NAC, where the compound compound to the expression of NAC. The compound specifically hybridises with the nucleic acid molecule encoding NAC and at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (1) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with (1); and (3) treating an animal having a disease or condition associated with NAC comprising administering (1) to the animal so that expression of CC NAC is inhibited. (1) has cytostatic, nootropic, neuroprotective and CC antisense compounds (1) are useful for motorpic, neuroprotective and CC antisense compounds (1) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptosis. The compounds are also useful as research respents and kits, or for disgnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or tumour formation. NAC is also known as a death effector filament-forming CEDA-1lke apoptosis protein (DEFCA). NAC is located on human chromosome (17913. The present sequence represents a human NAC chimeric compounds of the present invention of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                              numan; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-MAR-2003
                       Homo sapiens Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 3; Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense compounds, useful for modulating the expression of Ni for treating a disease or condition associated with the expression NAC, e.g. hyperproliferative disease or neurological disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-SEP-2002; 2002WO-US029664.
                                                                                                                                                                                                      Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:49
                                                                                                                                                                                                                                                16-JUN-2003
                                                                                                                                                                                                                                                                                      ACC45189
                                                                                                                                                                                                                                                                                                                              ACC45189 standard; DNA; 20
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                                                                                phosphorothicate;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
les 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                          2499 ATATGGAATACATGGCCTGT 2518
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.4%; Dr
100.0%; Pr
0;
                                                                                                                                                                                                                                                entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; L
1.9e+02;
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ACC45162;

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RESULT 62
ACC45162/c
ID ACC451
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/mod_base= OTHER
/mote= "2'-O-methoxyethyl (2'-MOE) gapmer"
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The present invention describes a compound (I) 8-50 nucleobases in length ctargeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and cinhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid collected encoding NAC. Also described: (1) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (II); and (3) treating an animal having a disease or condition associated CC with NAC computising administering (I) to the animal so that expression of CC (II); and (3) treating an animal having a disease or condition associated CC with NAC computising administering (I) to the animal so that expression of CC (II); and (II) has cytostatic, nootropic, neuroprotective and CC antisense compounds (I) are useful for modulating the expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease CC or disorder arising from abscrant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC tumour formation. NAC is also known as a death effector filament-forming CCD phonhorothioate antisense olicomurleride, which is given in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 3;
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The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (I) a composition comprising (I) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues with (I); and (3) treating an animal having a disease or condition associated
                                                                                                                                                                                                                                                                                                                                       New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mod_base= OTHER
note= "2'-O-methoxyethyl (2'-MOE)
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mod_base= OTHER
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e= "2'-O-methoxyethyl (2'-MOE) gapmer"
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RESULT 64
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antisense therapy; NAC; DBFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                    WPI; 2003-354583/33
                                                                                                                                        Bennett CF,
                                                                                                                                                                                                                                                                                                       19-SEP-2001; 2001US-00956712
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Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4908 TTGCCTTCCAGCACTAAAGT 4927
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/mod_base= OTHER
/mote= "2'-O-methoxyethyl
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Pred. No.
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1.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (2'-MOE)
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RESULT 65
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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                                                                                                                         modified_base
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                                                                                                                                                                                                                                  modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim
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/*tag= c
/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
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/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
16. .20
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                                                                                                                                                                                                                                                                                       mod_base= OTHER
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                                                                                                                                                                                                                                                           "phosphorothioate backbone"
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1;
1.9e+02
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The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues with CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of NAC, is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antisnase compounds (I) are useful for modulating the expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease CC vacination arising from abservant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC umour formation. NAC is also known as a death effector filament-forming CC 17p13. The present sequence represents a human NAC chimeric in the compounds are anticensed of convertible, which is given in the
Sequence 20 BP; 6 A; 4 C; 8 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 75; 147pp; English
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                                          exemplification of the present invention
                                                               phosphorothicate antisense oligonuclectide, which
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease.
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                                                                 given in the
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Query Match
Best Local Similarity
Matches 20; Conserv
                    3701
20
           CTTCTCCTGCCTCTCAAGGG 3720
                                          Conservative
                                                      100.0%;
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                                                      Score 20;
; Pred. No.
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                                                       1.9e+02;
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RESULT 66
ACC45193/c
ID ACC451
XX ACC451
XX ACC451
XX ACC451
XX ACC451
XX Human
                                                                     Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                               Human NAC
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                                                                                                                                                                                                                                                                                              ACC45193;
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                                                                                                                                                                                             chimeric phosphorothicate oligonucleotide
                                                                                                                                                                                                                                               (first entry)
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RESULT 67
ACC45195/c
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exemplification of the present invention
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                                                                                                                                                       Conservative
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/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
16. .20
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                                                                                                                                               0; Mismatches
                                                                                                                                                                       Score 20; DB 1; Length 20; Pred. No. 1.9e+02;
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targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridiess with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridiess with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (1) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues with (1); and (3) treating an animal having a disease or condition associated with NAC comprising administering (1) to the animal so that expression of NAC is inhibited. (1) has cytostatic, nootropic, neuroprotective and antisense compounds (1) are useful for modulating the expression of and for treating a disease or condition associated with expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptoesis. The compounds are also useful as research reagents and kits, or for disgnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or timeour formation. NAC is also known as a death effector filament-forming the compounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI;
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                            CED4-like apoptosis protein (DEFCAP). NAC is located on human chromosome 17p13. The present sequence represents a human NAC chimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes a compound (I) 8-50 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; Page 76; 147pp; English
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phosphorothioate antisense oligonucleotide,
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RESULT 68
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The present invention describes a compound (1) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (1) and a pharmaceutical carrier or diluent; (2) inhibiting the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                             New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of
                                                                                                                                                                                                             Bennett CF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACC45197;
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                                                                                                    Example 15; Page 76; 147pp; English.
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                                                                                                                                                                                                                                       (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      iomo sapiens.
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                                                                                                                                 hyperproliferative disease
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                                                                                                                                                                                                             Freier
                                                                                                                                                                                                                                       PHARM INC.
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16. .20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                     1. .5
/*tag= b'
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                        'note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; 7 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                                                                                                                                                                                                                                                                                                              . 20
                                                                                                                                                                                                                                                                                                                                                             _base= OTHER
e= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                         "2'-O-methoxyethyl (2'-MOE) gapmer"
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; Pred. No. 1.9e+(
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                                                                                                                                neurological disease.
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RESULT 69
ACC45207/c
ID 4CC45
XX ACC45
AC ACC45
ACC
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Best Local S
Matches 20
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ACC45207 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apopideath effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human NAC chimeric phosphorothioate oligonucleotide SEQ
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                                 Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     modified_base
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                                                                                                                                               19-SEP-2001; 2001US-00956712
                                                                                                                                                                                                        19-SEP-2002; 2002WO-US029664
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                                                                                           (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4483 GCCCGCATAGCCGTACCTTC 4502
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ilarity 100.0%;
Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                    Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "2'-O-methoxyethyl
16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                          /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                      note= "2'-0-methoxyethyl (2'-MOB) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                     base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "phosphorothioate backbone"
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; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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1.9e+02
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2003-354583/33

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RESULT 70
ACC45196/c
ID ACC451
XX ACC451
XX ACC451
XX 16-JUN
XX Human
XX Human
XX Human
XX Human
XX Homo a
OS Homo a
OS Synthe
XX Synthe
XX Key
FT modifi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (1) a composition comprising (1) CC NAC in cells or tissues comprising contacting the cells or tissues with CC (1); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (1) to the animal so that expression of CC NAC is inhibited. (1) has cytostatic, nootropic, neuroprotective and CC antisinglammatory activities, and can be used in antisease therapy. The CC and for treating a disease or condition associated CC antisense compounds (1) are useful for modulating the expression of NAC, CR, e.g. hyperproliferative disease, neurological disease, or a disease CR or disorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics CC and prophylaxis, e.g. to prevent or delay infection, inflammation or CC tumour formation. NAC is also known as a death effector filament-forming CC CED4-like apoptosis protein (DEPCAP). NAC is located on human chromosome CC phosphorothioate antisense oligonucleotide, which is given in the complification of the present invention
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Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                          antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                     modified_base
                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                     Human; cytostatic; nootropic; neuroprotective; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                           Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACC45196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACC45196 standard; DNA; 20
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                                                                                            modified_base
                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 3; Page 76; 147pp; English.
                  modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP; 4 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                   1. .20
/*tag=
/mod_ba
                    /note=
16. .20
                                                                                                                                                                                         Location/Qualifiers
                                                                                                               /note=
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                    . 20
                                    _base= OTHER
== "2'-O-methoxyethyl (2'-MOB) gapmer"
                                                                                                                                     base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                 "phosphorothioate backbone"
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RESULT 71
ACC45203/c
ID ACC45203 standard; D:
XX
AC ACC45203;
XY
DT 16-JUN-2003 (first acceptance)
XX
DT 16-JUN-2003 (first acceptance)
XX
WHuman NAC chimeric pi
XX
KW Human; cytostatic; nacceptance therapy; Nacceptance
XM death effector filam
XM death effector filam
XM neurological disease
XM phosphorothioate; 88
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and cinhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (1) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administraing (I) to the animal so that expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administraing (I) to the animal so that expression of CC (I); and for treating an animal for modulating the expression of CC and for treating a disease or condition associated with expression of CC (I); and (I) has cytostatic, nootropic, neuroprotective and CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC
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Best Local Similarity
Matches 20; Conserv
                           Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DBFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense compounds, useful for modulating the expression of NAC or treating a disease or condition associated with the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-354583/33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bennett CF, Freier SM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4438 GTGAAACCAGGAGATCTCAT 4457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             GTGAAACCAGGAGATCTCAT 1
                                                                                                                                                                chimeric phosphorothicate oligonucleotide SEQ ID NO:63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.4%; Score 20; ilarity 100.0%; Pred. No. Conservative 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP; 4 A; 5 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                     (first entry)
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/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                              DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                     CC targeted to a nucleic acid molecule encoding NAC, where the compound greatfically hybridises with the nucleic acid molecule encoding NAC and cinhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antisense compounds (I) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics CC and prophylaxis, e.g. to prevent or delay infection, inflammation or CC useful as research reagents and kits, or for diagnostics, therapeutics CC phosphorothioate antisense oligonucleotide, which is given in the ccc phosphorothioate antisense oligonucleotide, which is given in the cempolitication of the present invention
                                                                   Matches
                                                                                  Query Match
Best Local Similarity
                                                                                                                                   Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a compound (I) 8-50 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 15; Page 76; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-SEP-2001; 2001US-00956712
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS
                 CTCAGCAGCTGAAGTATCAA 4820
                                                                                                                                   BP; 4 A; 4 C; 5 G; 7 T; 0 U; 0 Other;
                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Freier SM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PHARM INC
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/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                         0.4%; U_
100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             _base= OTHER
e= "2'-O-methoxyethyl (2'-MOB) gapmer"
                                                                                Score 20; DB 1;
Pred. No. 1.9e+(
                                                                Mismatches
                                                                                  1.9e+02;
                                                                 0
                                                                                                  Length 20;
                                                                 Indels
                                                                 0
                                                                 Gaps
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RESULT 72
ACC45168/c
Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACC45168;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACC45168 standard; DNA;
                                                                                                                                                                                                   WPI;
                                                                                                                                                                                                                  Bennett CF,
                                                                                                                                                                                                                                              19-SEP-2001; 2001US-00956712.
                                                                                                                                                                                                                                                             19-SEP-2002;
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                                                                                                                                                                                                                                                                                                                            modified_base
                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                  phosphorothicate;
                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                          WO2003024988-A1
                                                                                                                                                                                                                                                                                                                                                                                       modified_base
                                                                                                                                                                                                   2003-354583/33
                                                                                                                                                                                                                                                                                                                                                                                                                    sapiens.
                                                                                                                                                                                                                                                             2002WO-US029664.
                                                                                                                                                                                                                  Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                              16. .20
                                                                                                                                                                                                                                                                                                                                    /mod_base= OTHER
/note= "2'-0-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                   *tag=
                                                                                                                                                                                                                                                                                                                                                                  note=
                                                                                                                                                                                                                                                                                                                                                                          mod.
                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                      *tag=
                                                                                                                                                                                                                                                                                                               _base= OTHER
                                                                                                                                                                                                                                                                                                                                                                          base= OTHER
                                                                                                                                                                                                                                                                                                        "2'-O-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                 "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ВP
                                                                                                                                                                                                                                                                                                        gapmer"
                                                                                                                                                                                                                                                                                                                                     gapmer"
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antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease.

Claim 3; Page 75; 147pp; English.

The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I); and (3) treating an animal having a disease or condition associated CC (I); and (3) treating an animal having a disease or condition associated CC (II); and (I) thas cytostatic, nootropic, neuroprotective and CC antiinflammatory activities, and can be used in antisense therapy. The CC antisense compounds (I) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of CC (NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disorder arising from aberrant apoptoesis. The compounds are also cuseful as research reagents and kits, or for disgnostics, therapeutics cuseful as reasearch reagents and kits, or for disgnostics, therapeutics continuour formation. NAC is also known as a death effector filament-forming companies are contents. apoptosis protein

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RESULT 73
ACC4515/6/c
ID ACC451
XX ACC451
XX ACC451
XX ACC451
XX Human
DE Human
XX Human,
KW Antise
KW Geath
KW Ineurol
KW Phosph
XX Homo se
OS Synthe
XX Homo
S Synthe
YT modifi
FT T modifi
FT
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Best Local S
Matches 20
The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid
                                                                                                                                                                                                                                                     New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy, NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACC45176 standard;
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                                                                                                                                                                    Claim 3, Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                               Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-SEP-2001; 2001US-00956712.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-SEP-2002; 2002WO-US029664.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACC45176;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-JUN-2003
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                                                                                                                                                                                                                                                                                                                                        2003-354583/33.
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    .g. hyperproliferative disease

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATGTCTTCTACTTCAGCTGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                               Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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/note= ."2'-0-methoxyethyl (2'-MOE) gapmer"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      base= OTHER
= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 _base= OTHER
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k; Pred. No. 1.9
0; Mismatches
                                                                                                                                                                                                                              e
                                                                                                                                                                                                                           neurological disease.
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RESULT 74
ACC45180/c
ID ACC451
XX ACC451
XX ACC451
XX ACC451
XX ACC451
XX Human;
XX Human;
XX Human;
XX Homospl
XX Homosp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antiense therapy; NAC; DBFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACC45180 standard;
                                     (ISIS-) ISIS PHARM INC
                                                                                           19-SEP-2001; 2001US-00956712.
                                                                                                                                                       19-SEP-2002;
                                                                                                                                                                                                                                                                                  WO2003024988-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACC45180;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2996 TGAAGAGTCTTTGTAAGACC 3015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGAAGAGTCTTTGTAAGACC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP; 6 A; 5 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                          2002WO-US029664.
                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "2'-O-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                          note= "2'-0-methoxyethyl (2'-MOB)
                                                                                                                                                                                                                                                                                                                                                                                                      *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mod_base=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.4%; Score 20; DB 1; L
100.0%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20
                                                                                                                                                                                                                                                                                                                                                                          OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₽P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                          gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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RESULT 75
ACC45190/G
ID ACC45
XX ACC45
XX ACC45
XX ACC45
XX ACC45
XX Humar
XX Humar
XX Humar
XX Humar
XX Homo
OS Fontl
XX Phose
XX Homo
OS Syntl
XX Homo
OS Syntl
XX FH Key
FT modii
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FT modii
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound compound specifically hybridises with the nucleic acid molecule encoding NAC and compound specifically hybridises with the nucleic acid molecule encoding NAC and compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid compound specifically hybridises with cc and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with CC (I); and (3) treating an animal having a disease or condition associated comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, noctropic, neuroprotective and contisense compounds (I) are useful for modulating the expression of NAC and for treating a disease or condition associated with expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease condition associated with expression of CC useful as research respents and kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC useful as research respents and kits, or for diagnostics, therapeutics constitutes apoptosis protein (DEFCAP). NAC is located on human chromosome CC 17p13. The present sequence represents a human NAC chimeric CC phosphorothicate antisense oligonucleotide, which is given in the cremplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                      Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEPCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-11ke apoptosis protectin; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACC45190 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 3 A; 9 C; 1 G; 7 T; 0 U; 0 Other;
                                                             modified_base
                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                     phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                           Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:50
                                                                                                                                                                                                                                                                                                                                                                                                                                   16-JUN-2003
                                                                                                                                           modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3412 AGTGATGAGATGAGGCAGGA 3431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGTGATGAGATGAGGCAGGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hyperproliferative disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                               /note= "phosphorothioate backbone"
1. .5
                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.4%;
_base= OTHER
e= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                       base= OTHER
                                              σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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RESULT 76
ACC45191/c
ID ACC451
XX
ACC451
XX
ACC451
XX
DT 16-JUN
XX
DE Human |
XX
Human |
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC (I); and for treating a disease or condition and the expression of CC antisense compounds (I) are useful for modulating the expression of NAC, CC antisense compounds (I) are useful for modulating the expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for treating a disease, neurological disease, or a disease or disease or disponds are also (I) are expented to the expression of CC (I); and for treating from aberrant apoptosis. The compounds are also (I) are expented to prevent or delay infection, inflammation or compounds are also (I); and prophylaxis, e.g. to prevent or delay infection, inflammation or compounds are also (I); and the expression of (I); and prophylaxis, e.g. to prevent or delay infection. Which is given in the CC (I); and for the present sequence represents a human NAC chimeric (I); and the present sequence represents a human NAC chimeric (I); and the present sequence represents a human NAC chimeric (I); and the present sequence represents a human NAC chimeric (I); and the present sequence represents a human NAC chimeric (I); and the present sequence r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
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                                                                                                                                                                                                                                                                                                                                                                                                         ACC45191 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-SEP-2001; 2001US-00956712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4097 TGCTCCTGGAGAAGCCAGCC 4116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP; 3 A; 6 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag=
/mod_ba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                         DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apop death effector filament-forming CED4-like apoptosis protein;

disease; apoptosis;

chimeric phosphorothioate oligonucleotide SEQ ID NO:51.

0

16-JUN-2003 ACC45191;

(first entry)

Human NAC

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The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with (I), and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antisense compounds (I) are useful for modulating the expression of NAC, CC and for treating a disease or condition associated with expression of CC NAC, e.g. hyperproliferative disease, neurological disease, or a disease CC or disorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics CC and prophylaxis, e.g. to prevent or delay infection, inflammation or CC custometric present sequence represents a human NAC chimeric CC phosphorothioate antisense oligonucleotide, which is given in the cc compolification of the present invention
                                                              Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                              Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 3; Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-SEP-2001; 2001US-00956712
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neurological disease; infection; inflammation; tumour formation; phosphorothicate; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2003024988-A1
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20
                             TGGTGTTGCTTTACCACCGC 4242
                                                                                                                                BP; 7
                                                                Conservative
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1. .20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
note= "2'.0-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mod_base= OTHER
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                                                                                                                              A; 5 C; 6 G; 2 T; 0 U; 0 Other;
                                                                              0.4%;
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b= "2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                              ; Score 20; DB

k; Pred. No. 1.9

0; Mismatches
                                                                                                 DB 1;
                                                                               1.9e+02;
                                                                                             Length 20;
                                                                Indels
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                                                                Gaps
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RESULT 77.
ACC45200/c
ID ACC452
XX Homan
DB Human
XX Human;
KW Human;
KW Ineurol
FT INOU
F
                                                      The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and C inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (I) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I), and (3) treating an animal having a disease or condition associated CC (I), and (3) treating an animal having a disease or condition associated CC (II), and (II) the comprising administering (II) to the animal so that expression of CC (II) and the compounds (II) has cytostatic, nootropic, neuroprotective and CC antisense compounds (II) are useful for modulating the expression of NAC, CC and for treating a disease or condition associated with expression of NAC, e.g. hyperproliferative disease, neurological disease, or a disease or disease, or a disease or adisease or adisease, and the expression of NAC, condition associated with expression of NAC, the condition associated with expression of NAC, and for treating adisease, neurological disease, or a disease or condition associated with expression of NAC, and for the compounds are also condition associated with expression of NAC, and the condition associated with expression
   or disorder arising from aberrant apoptosis. The compound useful as research reagents and kits, or for diagnostics, and prophylaxis, e.g. to prevent or delay infection, infli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense compounds, useful for modulating the expression of NI for treating a disease or condition associated with the expression NAC, e.g. hyperproliferative disease or neurological disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 3; Page 76; 147pp;
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/mod_ba
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/mod_base= OTHER
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/note= "phosphorothicate backbone
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RESULT 78
ACC45208/c
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Matches
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The present invention describes a compound (I) 8-50 nucleobases in length targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tumour formation. NAC is also known as a death effector filament-forming CED4-like apoptosis protein (BEFCAP). NAC is located on human chromosome 17p13. The present sequence represents a human NAC chimeric phosphorothicate antisense oligonucleotide, which is given in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                             modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
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                                                   Claim 3; Page 76; 147pp; English
                                                                                                                                   WPI; 2003-354583/33.
                                                                                                                                                             Bennett
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; cytostatic; nootropic; neuroprotective; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:68
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Local Similarity 100.0%; P
hes 20; Conservative 0;
                                                                           antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease.
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                                                                                                                                                                                      PHARM INC
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16. .20
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/note= "2'-O-methoxyethyl (2'-MOE)
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mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                  base=
                                                                                                                                                                                                                                                                                                                     ase= OTHER
"2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                                                                                                                                                                                                                                                                                                                                                                                            "phosphorothioate backbone"
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Pred. No.
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RESULT 79
ACC45173/c
ID ACC451
XX ACC451
XX ACC451
XX Human
XX Human;
KW Human;
KW antise
KW neurol
KW phosph
XX Homo s
OS Synthe
FT modifi
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FT WY MO2003
XX 27-MAH
XX 19-SEI
XX 19-SEI
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Best Local (
                                                                                                                                                                                                     modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apop death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human NAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 2 A; 7 C; 6 G; 5 T; 0 U; 0 Other;
                 19-SEP-2001; 2001US-00956712.
                                                  19-SEP-2002; 2002WO-US029664.
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                                                                                                                                                                                                                                                                                                  /*tag= a
/mod_base= OTHER
                                                                                                                                                      note= "2'-0-methoxyethyl (2'-MOE) gapmer
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                                                                                                                                                                                                                                      base= OTHER
                                                                                                                                                                       base= OTHER
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L00.0%; Pred. No.
                                                                                                                                                                                                                        "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                       "phosphorothioate backbone"
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RESULT 80
ACC45178/c
ID ACC451
XX ACC451
XX ACC451
XX ACC451
XX Human
DT 16-JUN
XX Human
XX Human
KW Human
KW antise
KW death
KW phosph
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CC targeted to a nucleic acid molecule encoding NAC, where the compound gpecifically hybridises with the nucleic acid molecule encoding NAC and compound specifically hybridises with the least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (1) acomposition comprising (I) con and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC NAC in cells or tissues comprising contacting the cells or tissues with CC (1); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and CC antisense compounds (I) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of CC useful as research reagents and kits, or for diagnostics, therapeutics CC undour formation. NAC is also known as a death effector filament-forming CC CED4-like apoptosis protein (DEPCAP). NAC is located on human chromosome CC uposphorothioate antisense oligonucleotide, which is given in the cc exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                      Human; cytostatic; nootropic; neuroprotective; antiinflammatory; antisense therapy; NAC; DEFCAP; hyperproliferative disease; apoptosis; death effector filament-forming CED4-like apoptosis protein; neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human NAC chimeric phosphorothicate oligonucleotide SEQ ID NO:38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACC45178
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                                 modified_base
                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                            phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-JUN-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense compounds, useful for modulating the expression of NAC for treating a disease or condition associated with the expression of
                                                                                                                                                                  nodified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                    lomo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2870 TGGTAGTCCTGTTCAGGTGG 2889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 e.g. hyperproliferative disease or neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 TGGTAGTCCTGTTCAGGTGG 1
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/note= "phosphorothioate backbone"
1. .5
/*tag= b
                                                                                                                                                                                                   Location/Qualifiers
                                                                                                   /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                   88.
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100.0%; Pr
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 20; DB 1; I
Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
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                                                                                                                                                                 ACC45182/c
                                                                                                                                                                                    RESULT 81
                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and cinhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (1) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC antisinflammatory activities, and can be used in antisense therapy. The CC antisense compounds (I) are useful for modulating the expression of CC (I); and for treating a disease or condition associated with expression of CC (I); and for present sand kits, or for diagnostics, therapeutics and prophylaxis, e.g. to prevent or delay infection, inflammation or CC tumour formation. NAC is also known as a death effector filament-forming CC (I); and for present sequence represents a human NAC chimeric components antisense oligonucleotide, which is given in the
                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense compounds, useful for modulating the expression of NAC or for treating a disease or condition associated with the expression of NAC, e.g. hyperproliferative disease or neurological disease.
                                  Human NAC chimeric phosphorothioate oligonucleotide SEQ ID NO:42
                                                                       16-JUN-2003
                                                                                                                                              ACC45182 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 3 A; 7 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-354583/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-SEP-2001; 2001US-00956712
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                                                                                                                                                                                                                                                                                                                                                                                                                            exemplification of the present invention
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                                                                                                                                                                                                                                                                              3212 AGCGACTGCAGCTGGTCAGC 3231
                                                                                                                                                                                                                                                                                                                 20;
                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                          AGCGACTGCAGCTGGTCAGC
                                                                                                                                                                                                                                                                                                                   Conservative
                                                                       (first entry)
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/note= "2'-O-met
16. .20
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/mod_base= OTHER
/note= "2'-O-methoxyethyl (2'-MOE) gapmer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SM;
                                                                                                                                                                                                                                                                                                                                0.4%; Score 20; DB 1; L
100.0%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                     Length 20;
                                                                                                                                                                                                                                                                                                                    Indels
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Human; cytostatic; nootropic; neuroprotective; antiinflammatory;

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The present invention describes a compound (I) 8-50 nucleobases in length CC targeted to a nucleic acid molecule encoding NAC, where the compound CC specifically hybridises with the nucleic acid molecule encoding NAC and CC inhibits the expression of NAC. The compound specifically hybridises with CC at least an 8-nucleobase portion of an active site on a nucleic acid CC molecule encoding NAC. Also described: (1) a composition comprising (I) CC and a pharmaceutical carrier or diluent; (2) inhibiting the expression of CC (I); and (3) treating an animal having a disease or condition associated CC with NAC comprising administering (I) to the animal so that expression of CC NAC is inhibited. (I) has cytostatic, mostropic, neuroprotective and CC antisense compounds (I) are useful for modulating the expression of CC NAC, e.g. hyperpoliferative disease, neurological disease, or a disease CC or disorder arising from aberrant apoptosis. The compounds are also CC useful as research reagents and kits, or for diagnostics, therapeutics and compour formation. NAC is also known as a death effector filament-forming CC tumour formation. NAC is also known as a death effector filament-forming compounds in the protein (DERYADE) NAC is also known as a death of human chromosome compounds in the compounds of the compo
                                                                          Best Loc
Matches
                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                           CED4-like apoptosis protein (DEFCAP). NAC is located on human chromosome 17p13. The present sequence represents a human NAC chimeric phosphorothicate antisense oligonucleotide, which is given in the exemplification of the present invention
                                                                                                                                                                                                                                    Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; Page 75; 147pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-354583/33.
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                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense compounds, useful for modulating the expression of NAC treating a disease or condition associated with the expression of e.g. hyperproliferative disease or neurological disease.
3426 GCAGGAACTGAGGGCCCTGG 3445
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                                                                                                                Similarity
                                                                               Conservative
                                                                                                                                                                                                                                        BP; 2
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16. .20
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/note= "2'-0-methoxyethyl (2'-MOE)
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'note= "2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                              100.0%; --
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                                                                                                                Score 20; DB 1; Length 20; Pred. No. 1.9e+02;
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arising from aberrant apoptosis.

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ACC45209/c
         The present invention describes a compound (I) 8-50 nucleobases in length ct targeted to a nucleic acid molecule encoding NAC, where the compound specifically hybridises with the nucleic acid molecule encoding NAC and inhibits the expression of NAC. The compound specifically hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding NAC. Also described: (I) a composition comprising (I) can a pharmaceutical carrier or diluent; (2) inhibiting the expression of NAC in cells or tissues comprising contacting the cells or tissues with (I) and (3) treating an animal having a disease or condition associated with NAC comprising administering (I) to the animal so that expression of NAC is inhibited. (I) has cytostatic, nootropic, neuroprotective and antisense compounds (I) are useful for modulating the expression of NAC, and for treating a disease or condition associated with expression of NAC, e.g. hyperproliferative disease, neuropogical disease, or a disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human NAC chimeric phosphorothioate oligonucleotide SEQ
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                                                                                                                                                                                                                                                            Claim 3;
                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-354583/33
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antisense therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-JUN-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  neurological disease; infection; inflammation; tumour formation;
                                                                                                                                                                                                                                                                                                                                                                                                                  (ISIS-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                death effector
                                                                                                                                                                                                                                                                                                    antisense compounds, useful for modulating the expression of NAC or treating a disease or condition associated with the expression of
                                                                                                                                                                                                                                                                                          e.g. hyperproliferative disease or neurological disease
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                                                                                                                                                                                                                                                           Page 76; 147pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Freier SM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               py; NAC; DEFCAP; hyperproliferative disease; apoptosis;
filament-forming CED4 like apoptosis protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     mod_base= OTHER
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/mote= "2'-O-methoxyethyl (2'-MOE) gapmer"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nootropic; neuroprotective; antiinflammatory;
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